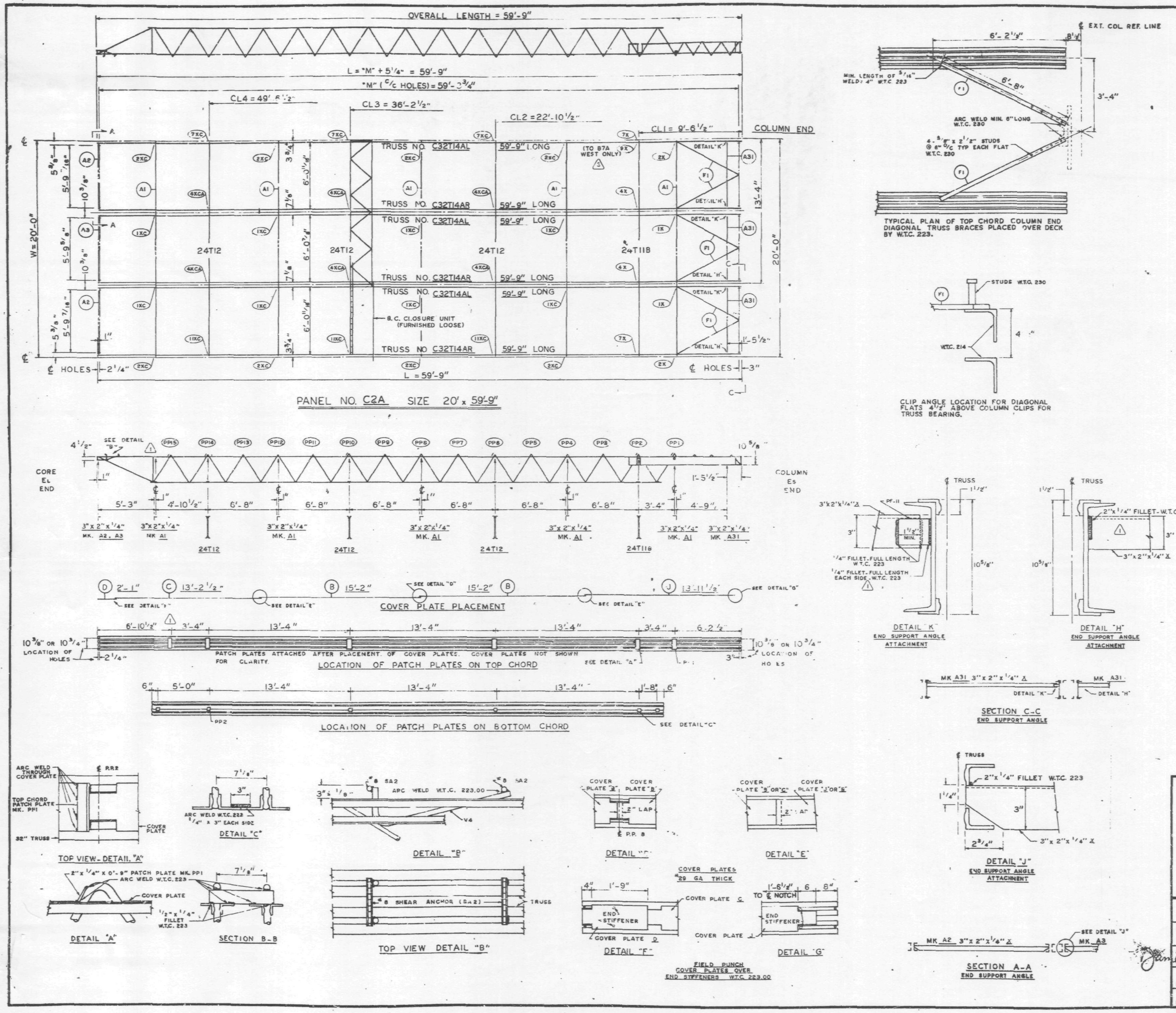
200-299

WTC1-131-LECA



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
3	6-16-69	AS NOTED	G.D.C.
2	5-12-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB3-28	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH) 1

PANEL C2A - 20' x 59'-9"

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) 2

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-28 PLATE

APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 6/20/69

DRAWN BY luh DATE DEC. 5, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

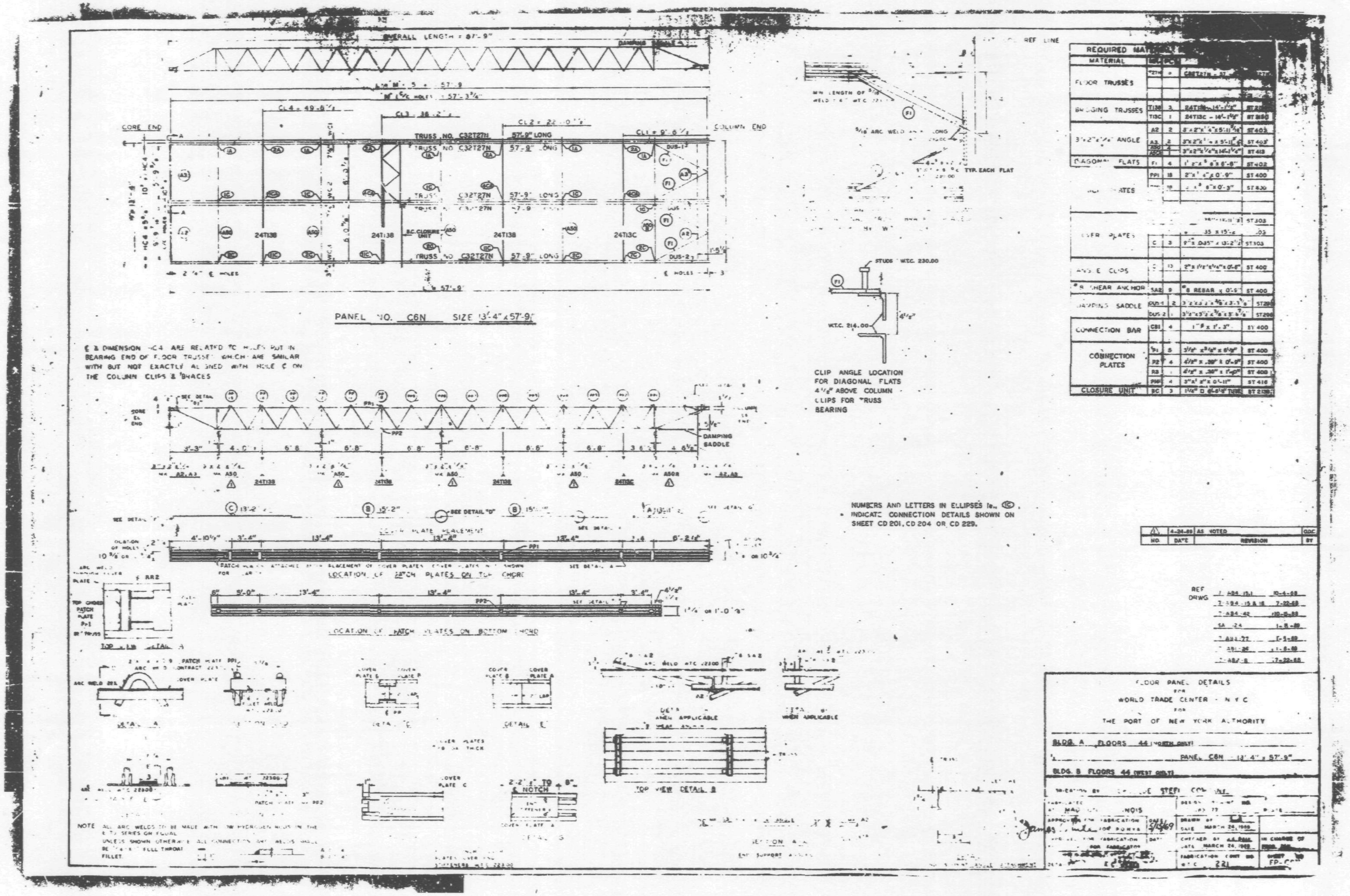
CHECKED BY T.M. CHURA DATE DEC. 5, 1968

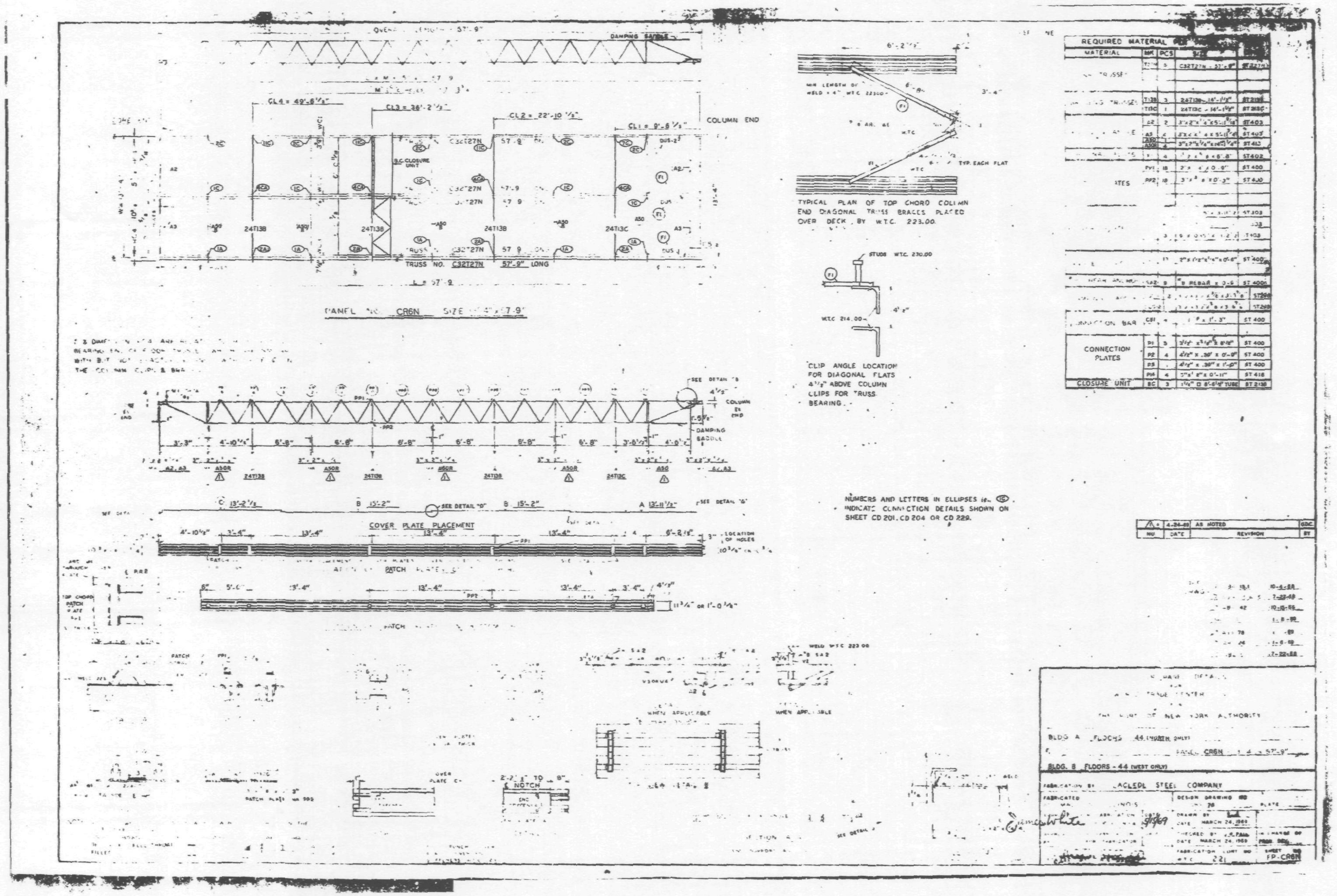
IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

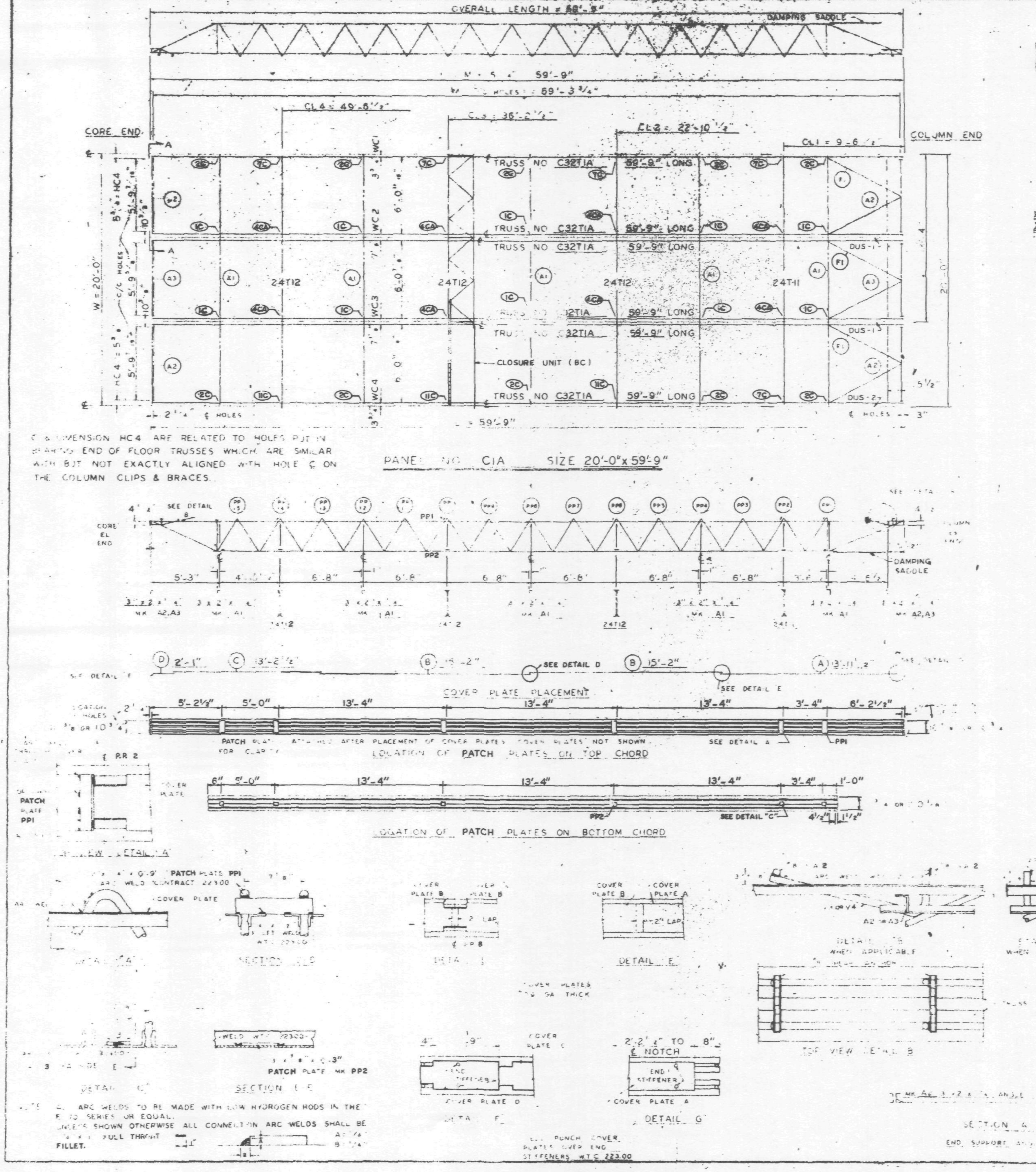
FABRICATION CONT NO W.T.C. 221

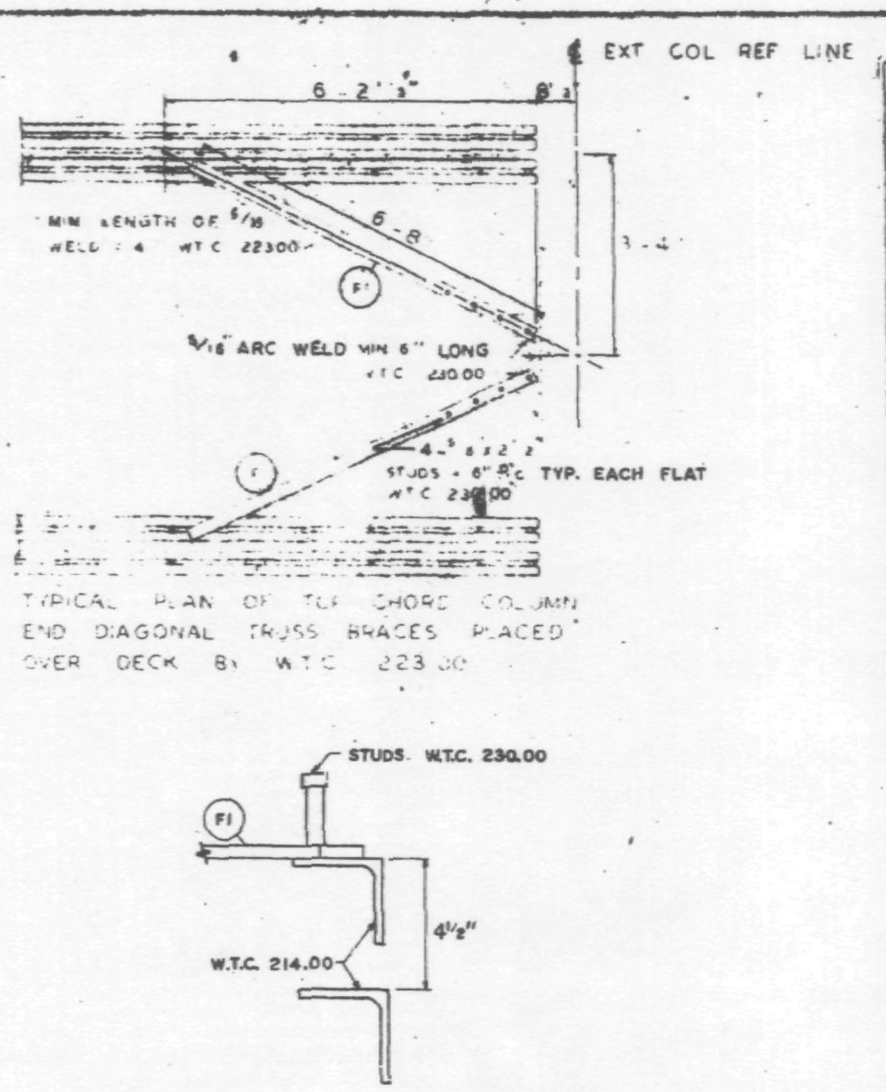
SHEET NO FP C2A


PANEL NO. C6N SIZE 13'-4" x 57'-9"
CORE END
COLUMN END
TRUSS NO. C32T27N 57'-9" LONG
REQUIRED MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
CLOSURE UNIT
DAMPING SADDLE
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
NUMBERS AND LETTERS IN ELLIPSES ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 204 OR CD 229.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
NO. DATE REVISION BY
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 44 (NORTH ONLY)
PANEL C6N - 13' 4" x 57'-9"
BLDG. B FLOORS 44 (WEST ONLY)
DRAWN BY
DATE MARCH 24, 1969
CHECKED BY
DATE MARCH 24, 1969
FABRICATION CONT NO
221



DAMPING SADDLE
CL4 = 49'-8 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-8 1/2"
COLUMN END
B.C. CLOSURE UNIT
24T13B
24T13C
TRUSS NO. C32T27N 57'-9" LONG
PANEL NO. CR6N
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK, BY W.T.C. 223.00
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
SEE DETAIL "B"
DAMPING SADDLE
A50R
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
C 13'-2 1/2"
B 15'-2"
B 15'-2"
A 13'-11 1/2"
PP1
PP2
NUMBERS AND LETTERS IN ELLIPSES i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 204 OR CD 229.
REQUIRED MATERIAL
MATERIAL | MK | PCS | SIZE
T27N | 5 | C32T27N - 57'-9"
T13B | 3 | 24T13B - 14'-1 1/2" | ST 2136
T13C | 1 | 24T13C - 14'-1 1/2" | ST 213C
A2 | 2 | ST 403
A3 | 2 | ST 403
A50 / A50R | 4 | ST 413
4 | ST 402
PP1 | 18 | ST 400
PP2 | 18 | ST 400
ST 303
ST 400
SA2 | 9 | #8 REBAR x 0'-6" | ST 400
CONNECTION BAR | CB1 | ST 400
CONNECTION PLATES | P1 | 3 | ST 400
P2 | 4 | 4 1/2" x .30" x 0'-9" | ST 400
P3 | ST 400
P4 | 4 | ST 416
CLOSURE UNIT | BC | 3 | 1 1/4" ☐ 8'-6 1/2" TUBE | ST 2138
AS NOTED
NO. | DATE | REVISION | BY
10-15-56
1-8-69
7-22-68
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 44 (NORTH ONLY)
PANEL CR6N
BLDG. B FLOORS - 44 (WEST ONLY)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED
DESIGN DRAWING NO.
PLATE
DRAWN BY
DATE MARCH 24, 1969
CHECKED BY
DATE MARCH 24, 1969
IN CHARGE OF
FABRICATION CONT NO
W.T.C. 221
SHEET NO
FP-CR6N
WHEN APPLICABLE
NOTCH
PATCH PLATE





CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T.A	6	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-[illegible] 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0135" x 13'-11 1/2"	ST303
	B	6	9" x 0135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x 0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1 6/[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

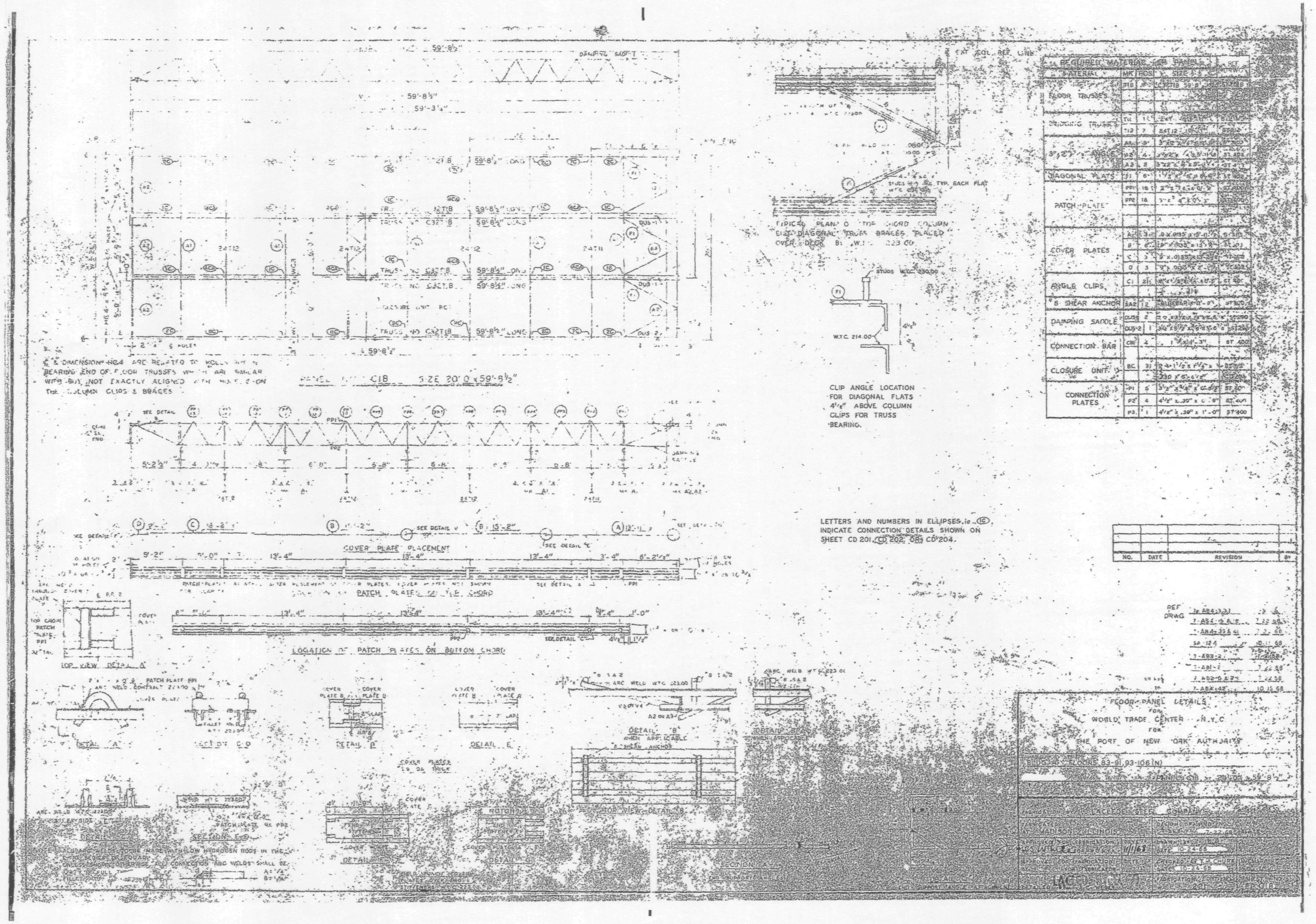
NO.	DATE	REVISION	BY
1	7-17-68	GENERAL	T.M.C.

REF. DRWG.: 7-AB4-42 4-1-68

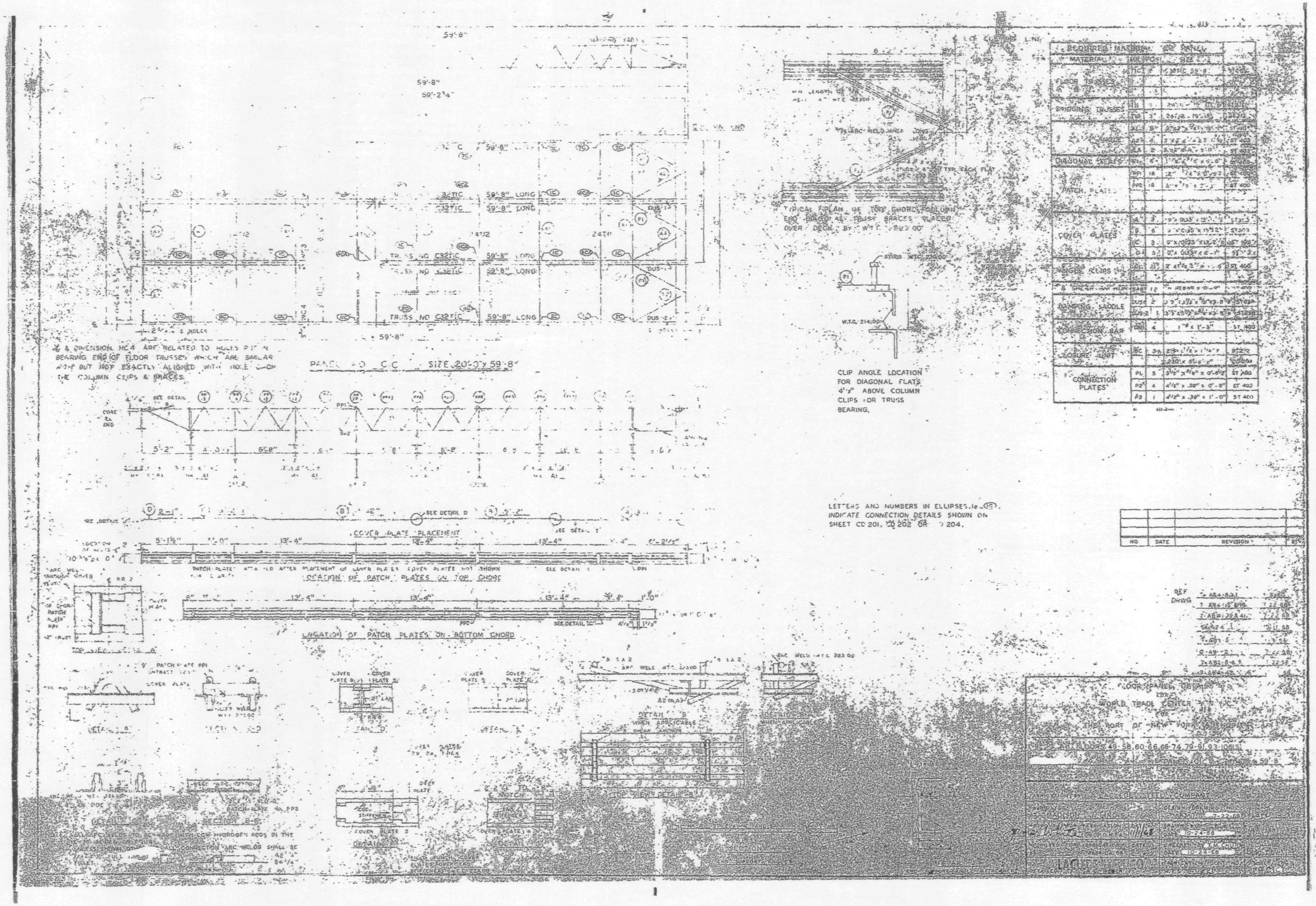
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER [illegible] FOR THE PORT OF NEW YORK AUTHORITY

BLDG A [illegible] 49-58, 60-66, [illegible] NORTH — PANEL C1A [illegible]

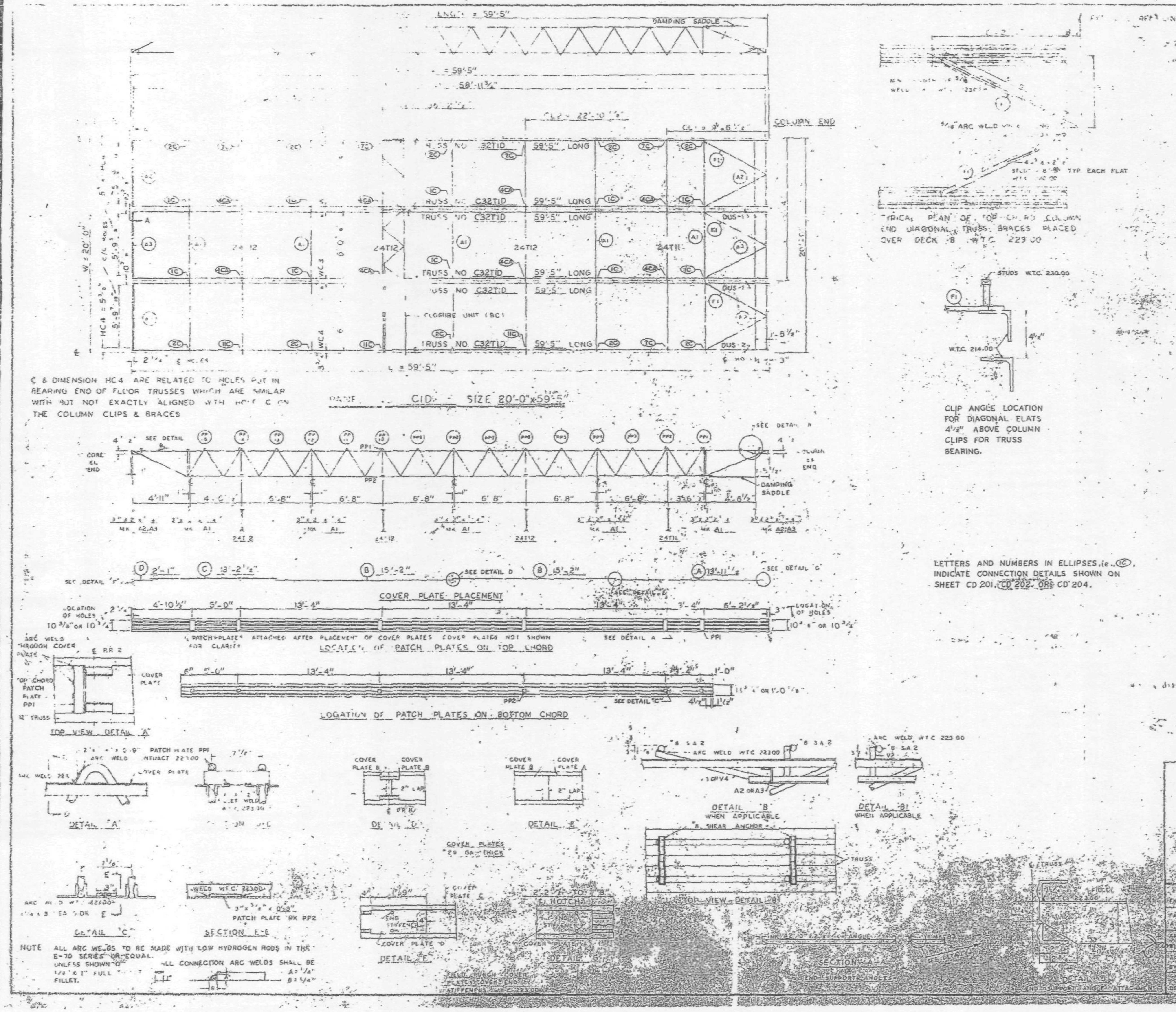
FABRICATION BY LACLEDE STEEL COMPANY		
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7 AB3 7 4-1-68	PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 8/16/68	DRAWN BY [illegible] DATE APRIL 10, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR LACLEDE STEEL CO. DATE	CHECKED BY J.R. PAUL DATE APRIL 10, 1968	IN CHARGE OF PROD DEV
DETAILED BY J.A.C. WEBER	FABRICATION CONT NO. WTC 221	SHEET NO. FP C1A



PANEL CIB SIZE 20'0" x 59'-8½"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202, OR CD 204.
REQUIRED MATERIAL
MATERIAL
FLOOR TRUSSES
DIAGONAL FLATS
PATCH PLATE
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
NO.
DATE
REVISION
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 83-91, 93-106 (N)
LACLEDE STEEL COMPANY
MADISON ILLINOIS
DATE 10-24-68



REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
PANEL C/C SIZE 20'-0" x 59'-8"
TRUSS NO C32T1C
59'-8" LONG
TYPICAL PLAN OF TOP CHORD/COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
NO
DATE
REVISION
REF DWG
FLOOR PANEL DETAILS
WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
FLOORS 49-58, 60-66, 68-74, 79-91, 93-106
PANEL C/C
59'-8
LACLEDE STEEL COMPANY
MADISON ILLINOIS
7-22-68
10-24-68
CHECKED BY T.M. CHURCH
10-24-68



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202, OR CD 204.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL FILLET.

REQUIRED MATERIAL				
MATERIAL	MK	PCS		
FLOOR TRUSSES	T1D	6	[illegible] 59'-5"	[illegible]
BRIDGING TRUSSES	[illegible]	1	[illegible]	[illegible]
	T12	3	24T12 [illegible]	AT212
ANGLE	A1	3	3" x 2" [illegible]	ST 403
	A2	4	3" x 2" [illegible]	ST 403
	A3	2	3" x 2" [illegible]	ST 403
DIAGONAL FLATS	F1	6	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	9" x 0.135" x [illegible]	ST 303
	B	6	9" x 0.135" x 15'-2"	ST 303
	C	3	9" x 0.135" x 13'-4½"	ST 303
	C	3	5" x 0.135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1½" x ¼" x 0'-[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 298
	DUS-2	1	3½ x 3½" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] 1½" x 1¼" x [illegible]	ST 212
			230 x 6'-6½"	CD 204
CONNECTION PLATES	P1	5	3½" x 3/8" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF. DWG.

[illegible] 39 & 41	7-22-68
SA [illegible]	9-11-68
7-[illegible]	1-3-68
[illegible] 2	7-22-68
[illegible]	7-22-68
[illegible]-584-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 (N)

PANEL C1D 20'-0" x 59'-5"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-7 7-22-68 PLATE

APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 11/1/68

DRAWN BY [illegible] DATE 10-24-68

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

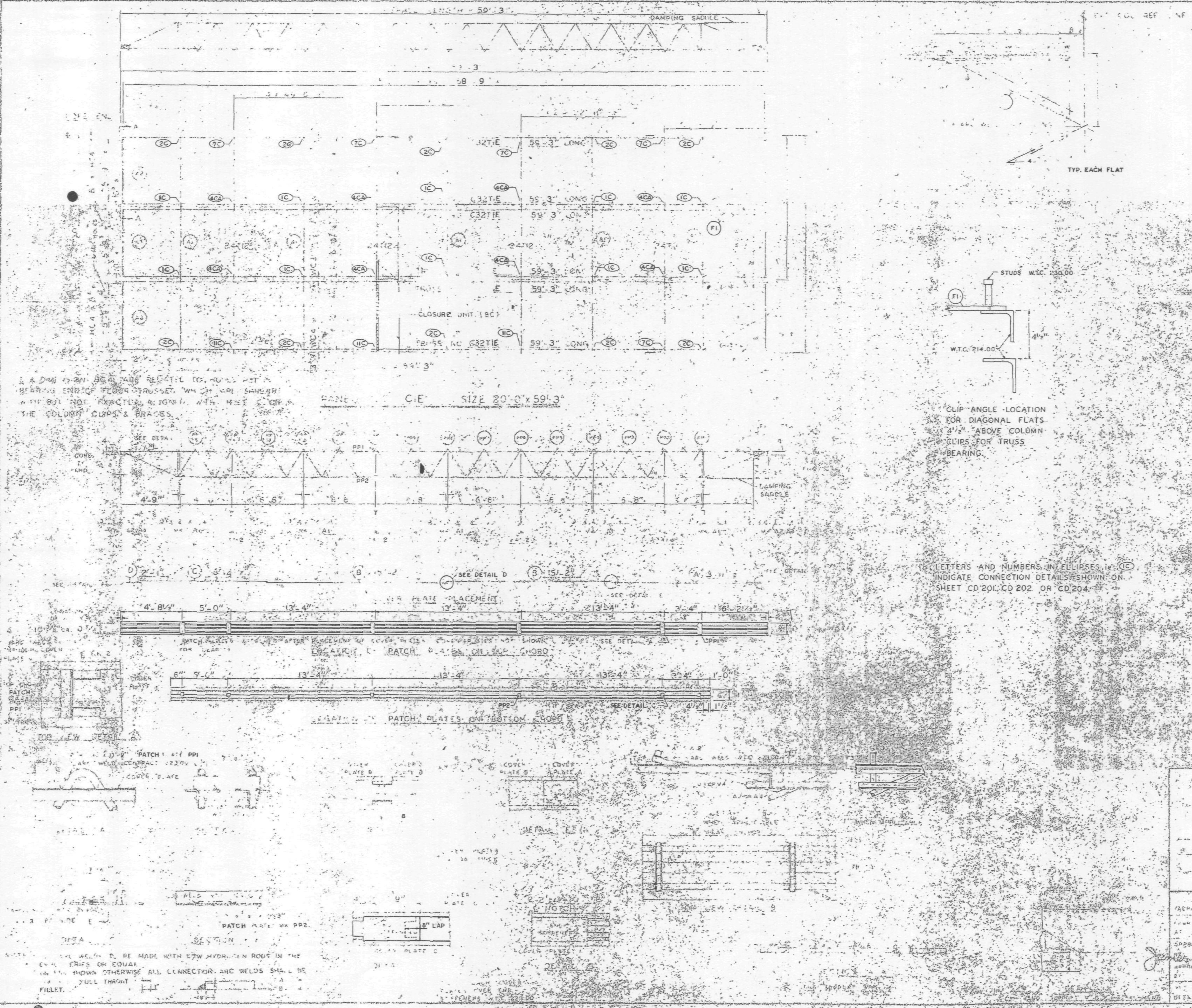
CHECKED BY T.M. CHURA DATE 10-24-68

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP C1D



REQUIRED MATERIAL PER PANEL				REF. DRWG.
[illegible]	T12	3	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] 3"	ST 400
[illegible] PLATES	[illegible]	3	[illegible]	[illegible]
	[illegible]	6	[illegible]	[illegible]
	[illegible]	3	[illegible]	[illegible]
	[illegible]	3	[illegible] .39 x 2'-1"	[illegible]
ANGLE CLIP	[illegible]	21	2 x [illegible]	ST 400
SHEAR ANCHOR	SA2	9	5 REBAR x 0'-9"	ST 400
DAMPING SADDLE	[illegible]	2	[illegible] 6⅞	ST 296
	[illegible]	1	[illegible] 6⅞	ST 298
CONNECTION BAR	CB1	4	1 [illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] 1½" x 1¼ x	BT 212
			210 x 6'-6½"	CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
[illegible]	7-17-68	GENERAL	T.M.C.

[illegible] ABA 42 4-1-68

WORLD TRADE CENTER [illegible]

THE PORT OF NEW YORK AUTHORITY

[illegible] 10-11 (NORTH & SOUTH)

C1E [illegible] 3

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

ERECTION DRAWING NO. ABA 7 4-1-68

APPROVED FOR FABRICATION [illegible] FOR PONYA 8/16/68

DRAWN BY [illegible] DATE APRIL 10, 1968

CHECKED BY J.R. PAUL DATE APRIL 10, 1968

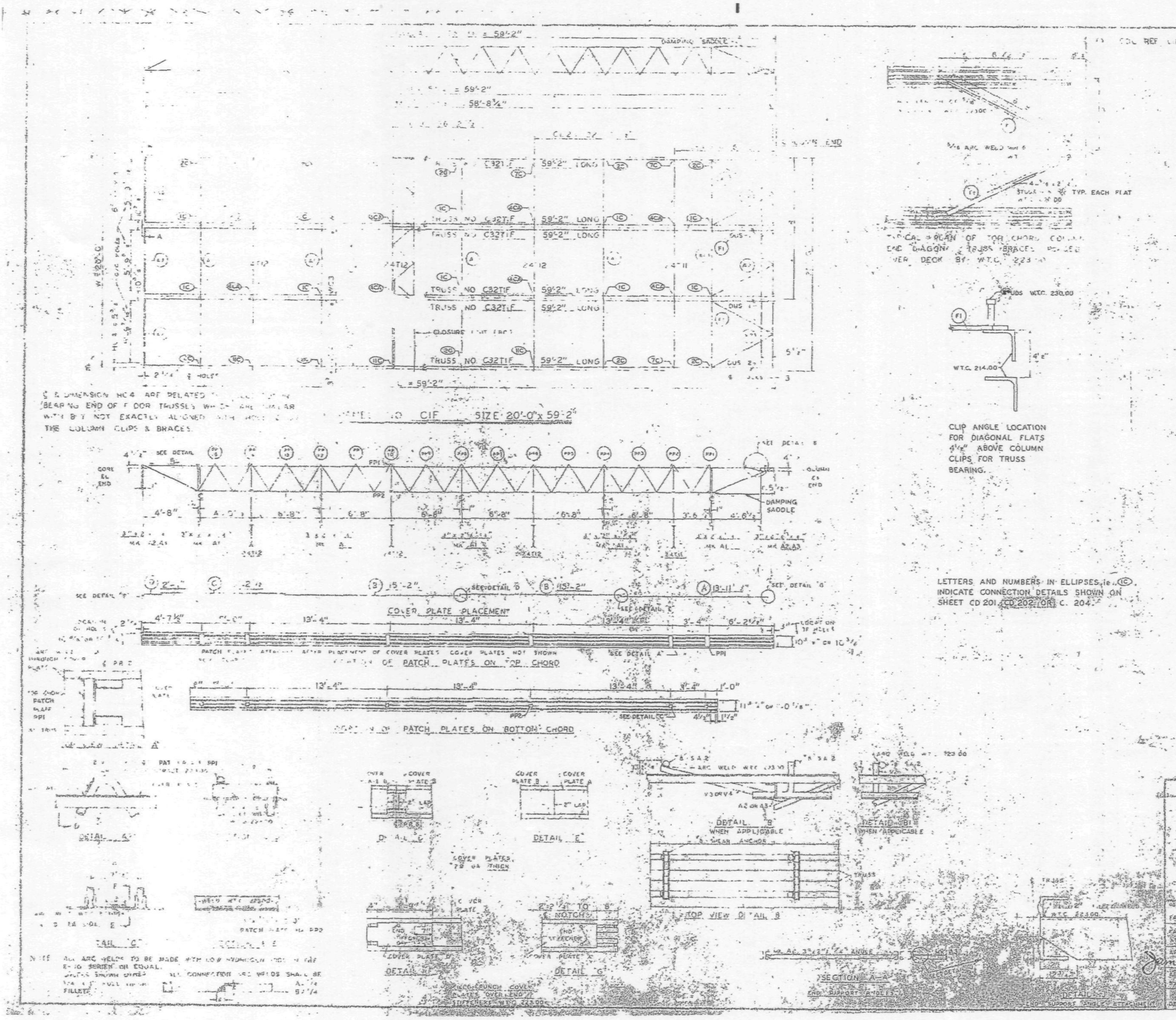
IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO.

DETAILED BY [illegible] REACH

FABRICATION CONT. NO. 221

SHEET NO. FP C1E



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PC#	SIZE	
FLOOR TRUSSES	TIF	6	32TIF 59'-2"	ST.20 F
BRIDGING TRUSSES	TIL	1	[illegible] 9'-4½"	BT.212
	TI2	3	24TI2 . 19 [illegible]	BT.212
[illegible] ANGLE	AL	5	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
DIAGONAL FLATS	FI	6	1½" x ⅝" [illegible]	ST 402
PATCH PLATES	PPI	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	[illegible]	[illegible]
	C	3	9" x .0132" x [illegible]	ST 402
	D	3	9" x .0132" [illegible]	[illegible]
ANGLE CLIPS	[illegible]	21	[illegible]	ST 400
[illegible] SHEAR ANCHOR	SA2	9	[illegible]	ST 400
DAMPING SADDLE	DUS1	2	3½" x 3½" x [illegible]	[illegible]
	DUS2	1	3½" x 3½" x [illegible]	[illegible]
CONNECTION BAR	CBI	4	[illegible]	ST 400
CLOSURE UNIT	BC	3	[illegible]	[illegible]
			230 x 8'-6½"	[illegible]
CONNECTION PLATES	PI	5	[illegible] x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

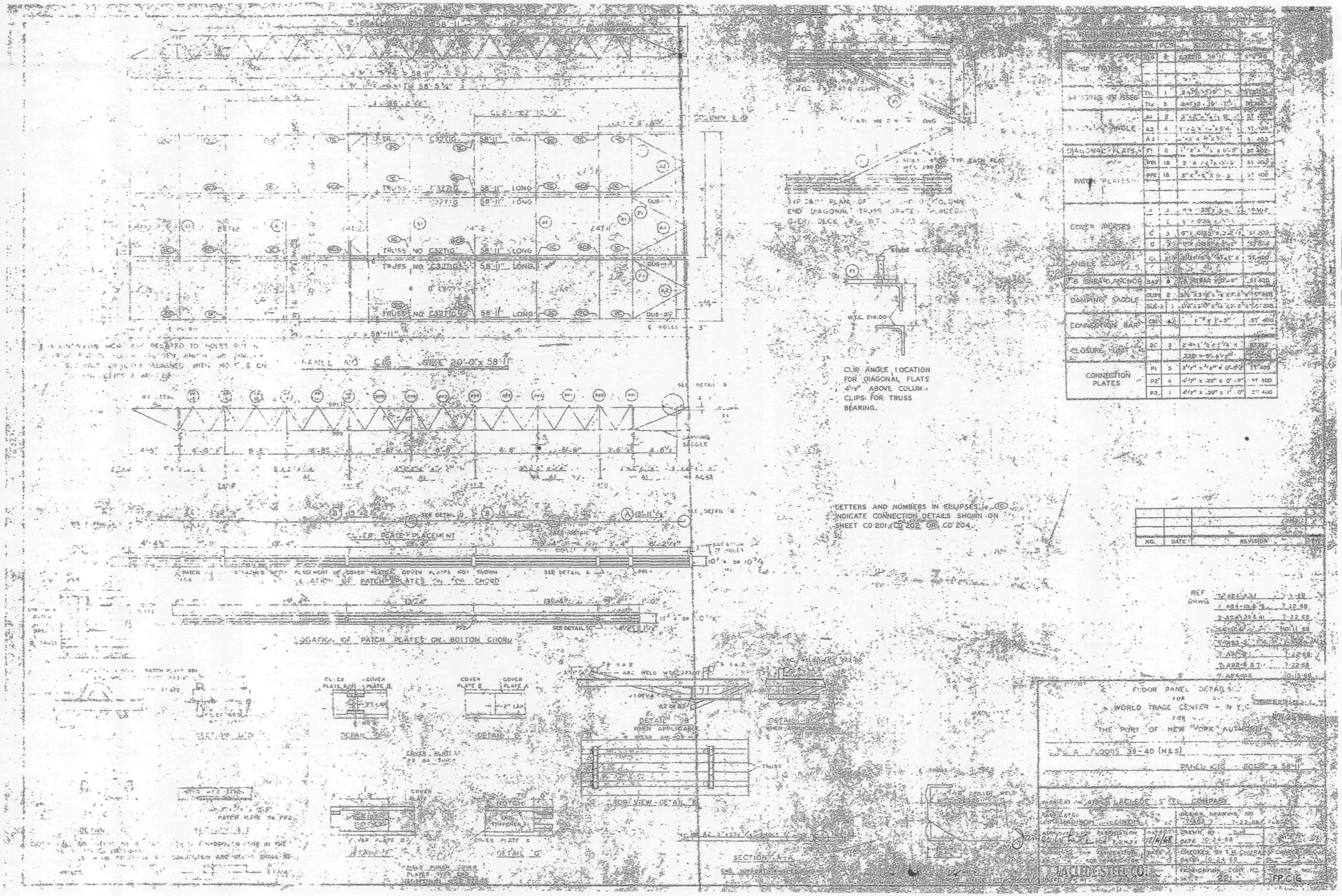
REF. DRAW.	
[illegible]	[illegible]
[illegible]	7.22.68
7-AB4-39 & 41	7-22-68
[illegible]	[illegible] 11, 68
7-AB3-2	[illegible]
7-AB1-2	7-22-68
7-AB2-3 & 7	7-22-68
1-AB4-47	10 [illegible] 68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER [illegible]
FOR
THE PORT OF NEW YORK AUTHORITY

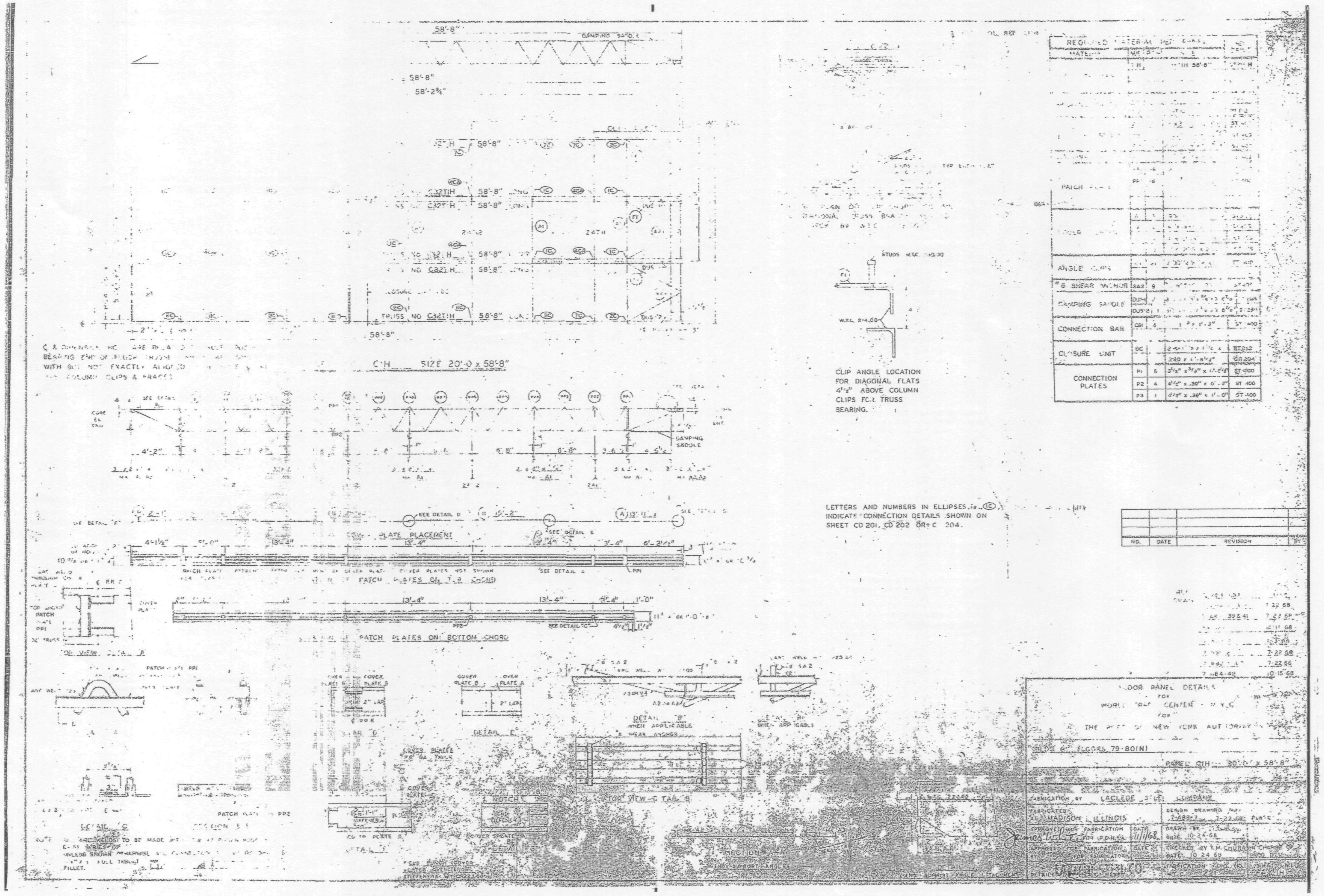
BLDG. A FLOORS 47-48 (N & S), 70-71 (N)
PANEL CIF [illegible] x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY

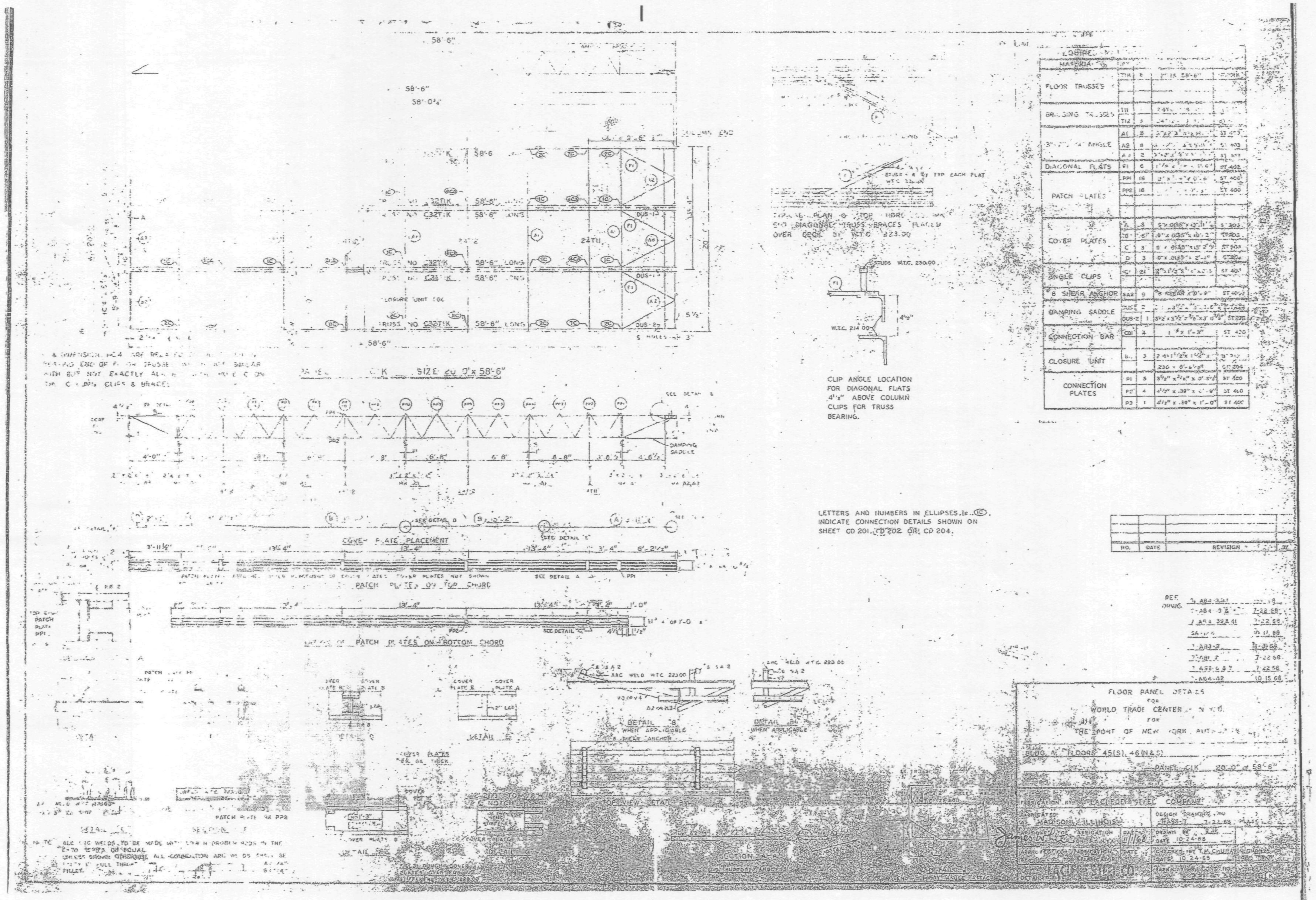
FABRICATED [illegible] MADISON ILLINOIS		DESIGN DRAWING NO. 7-AB3-1 7-22-68	
APPROVED FOR FABRICATION James White FOR PONYA	DATE 11/1/69	DRAWN BY [illegible] DATE 10 24 68	
APPROVED FOR FABRICATION [illegible] FOR FABRICATE	DATE [illegible]	CHECKED BY T.M. CHURA DATE 10-24-68	
DETAILED BY [illegible]		FABRICATION CONTR. NO. [illegible]	SHEET [illegible] CIF



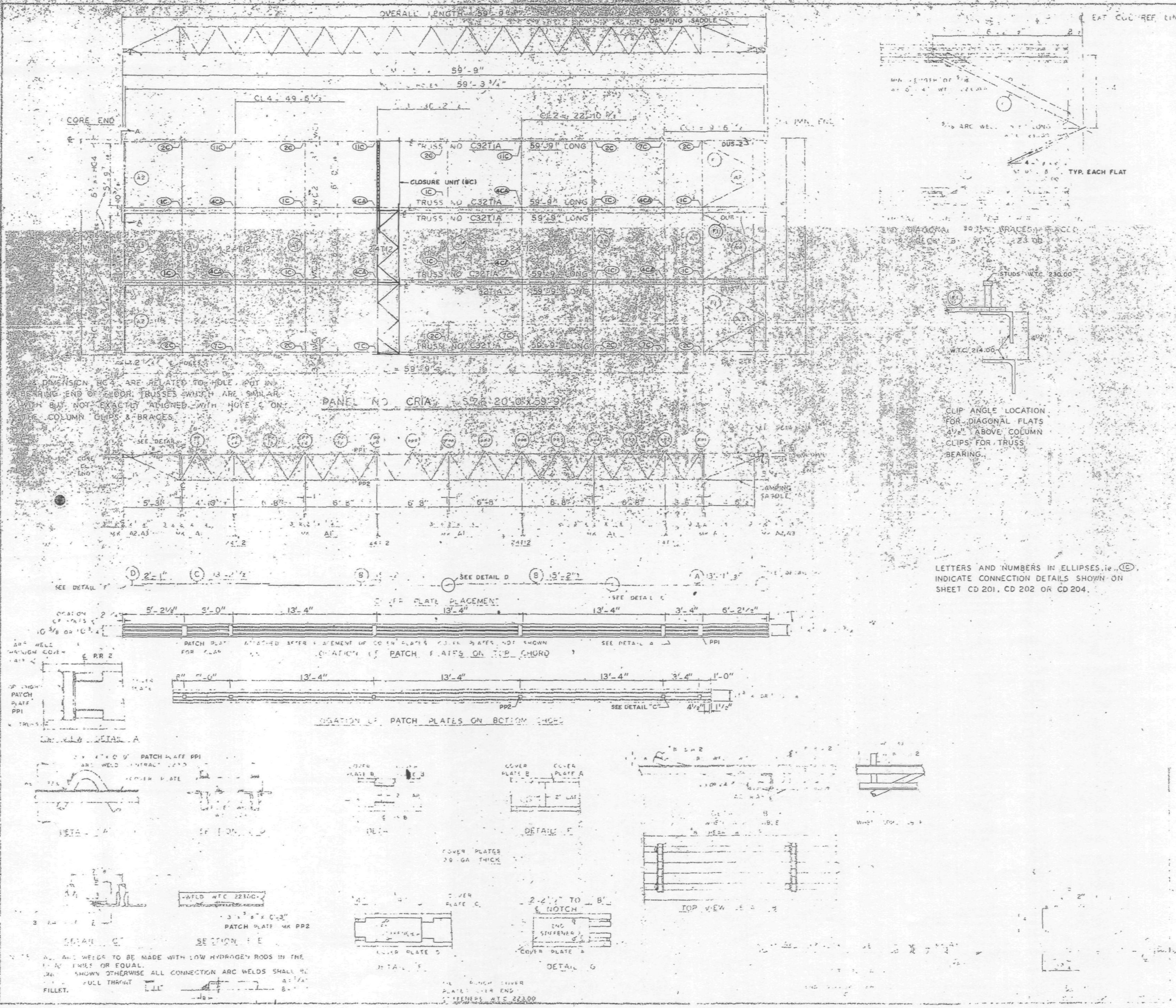
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "B"
SECTION A-A
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FLOORS 39-40 (N&S)
PANEL C1G 20'0" x 58'-11"
LACLEDE STEEL COMPANY
CHECKED BY T.M. CHURA
DATE 10-24-68
LACLEDE STEEL CO.
SHEET NO. FP C1G



58'-8"
58'-2¾"
SIZE 20'-0 x 58'-8"
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
PLATE PLACEMENT
PATCH PLATES ON BOTTOM CHORD
DAMPING SADDLE
REQUIRED MATERIAL
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
P1 5 3½" x 3/8" x ST 400
P2 4 4½" x .39" x 0'-3" ST 400
P3 1 4½" x .39" x 1'-0" ST 400
NO. DATE REVISION
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FLOORS 79-80(N)
PANEL C1H 20'-0" x 58'-8"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON ILLINOIS
DESIGN DRAWING NO.
APPROVED FOR FABRICATION
DATE 11/1/68
DRAWN BY
DATE 10-24-68
CHECKED BY T.M. CHURA
DATE 10-24-68



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, ie.. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
COVER PLATE PLACEMENT
PATCH PLATES ON BOTTOM CHORD
FLOOR TRUSSES
BRACING TRUSSES
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
NO. DATE REVISION
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
BLDG. A FLOORS 45(S), 46(N&S)
FABRICATION BY LACLEDE STEEL COMPANY
MADISON, ILLINOIS
DATE 10-24-68
CHECKED BY T.M. CHURAT
DATE 10-24-68



LETTERS AND NUMBERS IN ELLIPSES, ie., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
[illegible]	[illegible]	6	[illegible] 59'-9	[illegible]
[illegible]		1	24T [illegible]	[illegible]
	[illegible]	3	24T12 19'-[illegible]"	BT 212
[illegible]	A1	5	[illegible]	ST 403
	A2	2	[illegible]	ST 403
	[illegible]	[illegible]	[illegible]	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] 3"	ST 400
COVER PLATES	[illegible]	3	[illegible]	ST 303
	B	6	[illegible]	ST 303
	[illegible]	3	[illegible]	ST 303
	C	3	[illegible] x 2'-1"	ST 303
ANGLE CLIPS	[illegible]	21	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-[illegible]	2	[illegible]	ST 298
	DUS-2	1	[illegible] x 3 6 7/8"	ST 298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-[illegible] 1 1/2 x 1 3/4" x	BT 212
			230 x 5' 6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

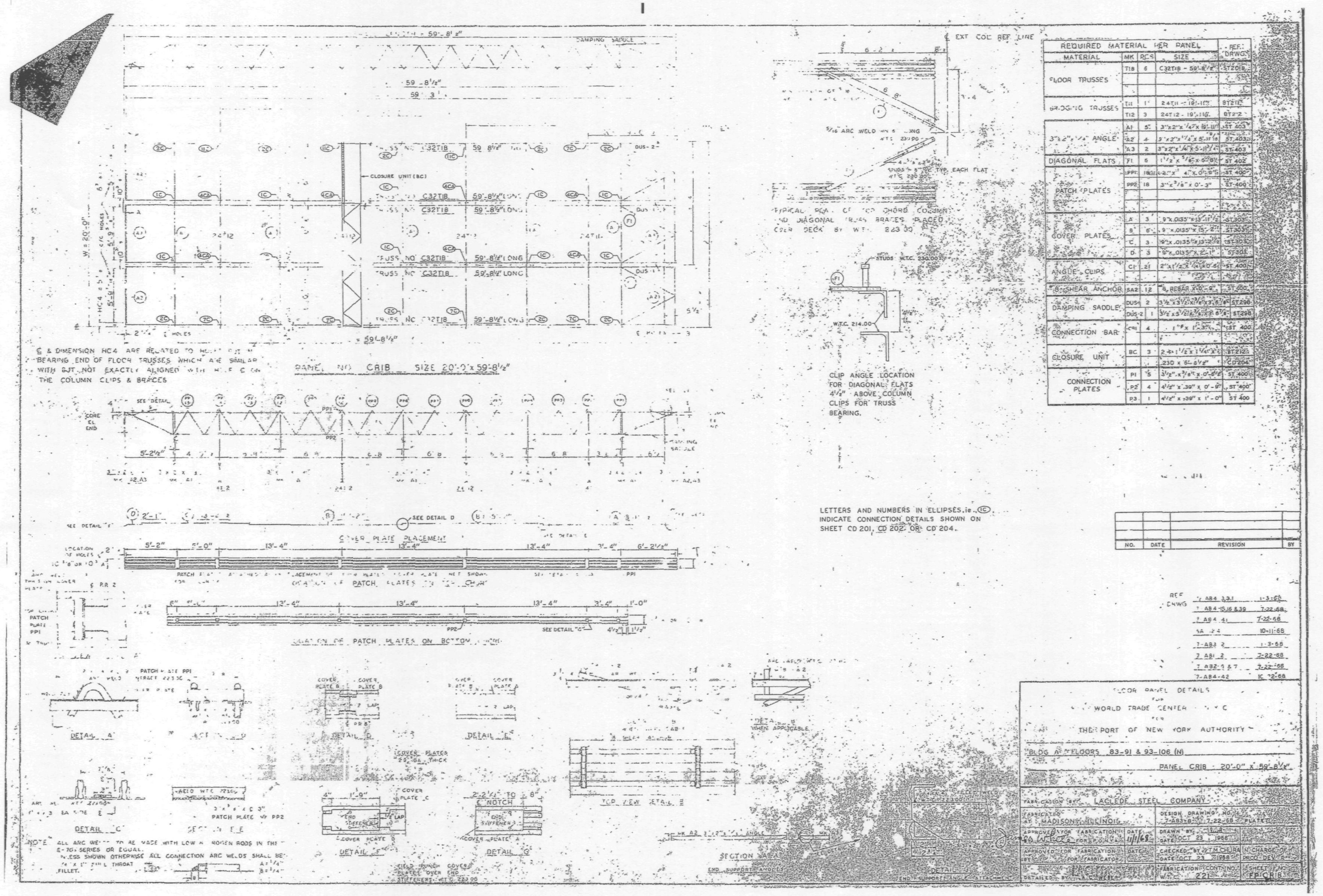
NO.	DATE	REVISION	BY
1	7-17-68	GENERAL	T.M.C.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE [illegible] SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE [illegible] FULL THROAT FILLET.

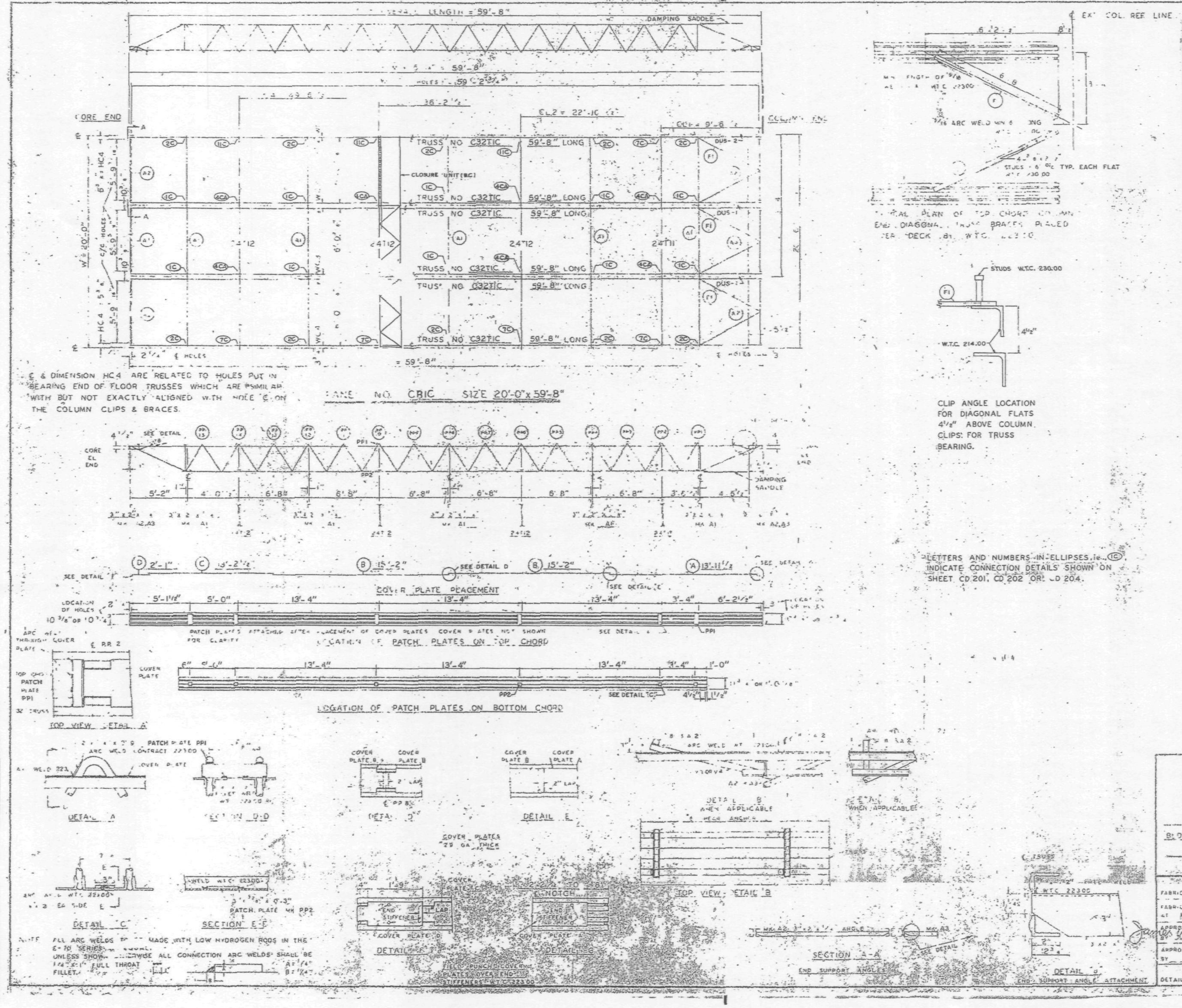
CRIA

8/16/68

CRIA



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T18	6	C32T18 - 59'-8 1/2"	ST201B
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	[illegible]	2" x 1/4" x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
8 SHEAR ANCHOR	SA2	12	8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2" x 1 1/4" x	BT 212
			230 x 6'-8 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIC	6	C32TIC - 59'-8"	ST201C
BRIDGING TRUSSES	T11	1	24T-1 - 18'-11"	BT211
	T12	3	24T12 - 18'-11"	BT212
3"x2"x¼" ANGLE	A1	5	3"x2"x¼"x 19'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-11⅝"	ST 403
	A3	2	3"x2"x¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½"x ⅜"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x ¼"x 0'-9"	ST 400
	PP2	18	3"x ⅜"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11½"	ST303
	B	6	9"x .0135"x 15'-2"	ST303
	C	3	9"x .0135"x 13'-2½"	ST303
	D	3	9"x .0135"x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1½"x¼"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3½"x3½"x⅜"x3'-6⅞"	ST298
	DUS2	1	3½"x3½"x⅜"x3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1"# x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-3 1½"x 1¼"x .230 x 6'-6½"	BT212, CD204
CONNECTION PLATES	P1	5	3½"x ⅜"x 0'-6½"	ST 400
	P2	4	4½"x .39"x 0'-9"	ST 400
	P3	1	4½"x .39"x 1'-0"	ST 400

NO.	DATE	REVISION	BY

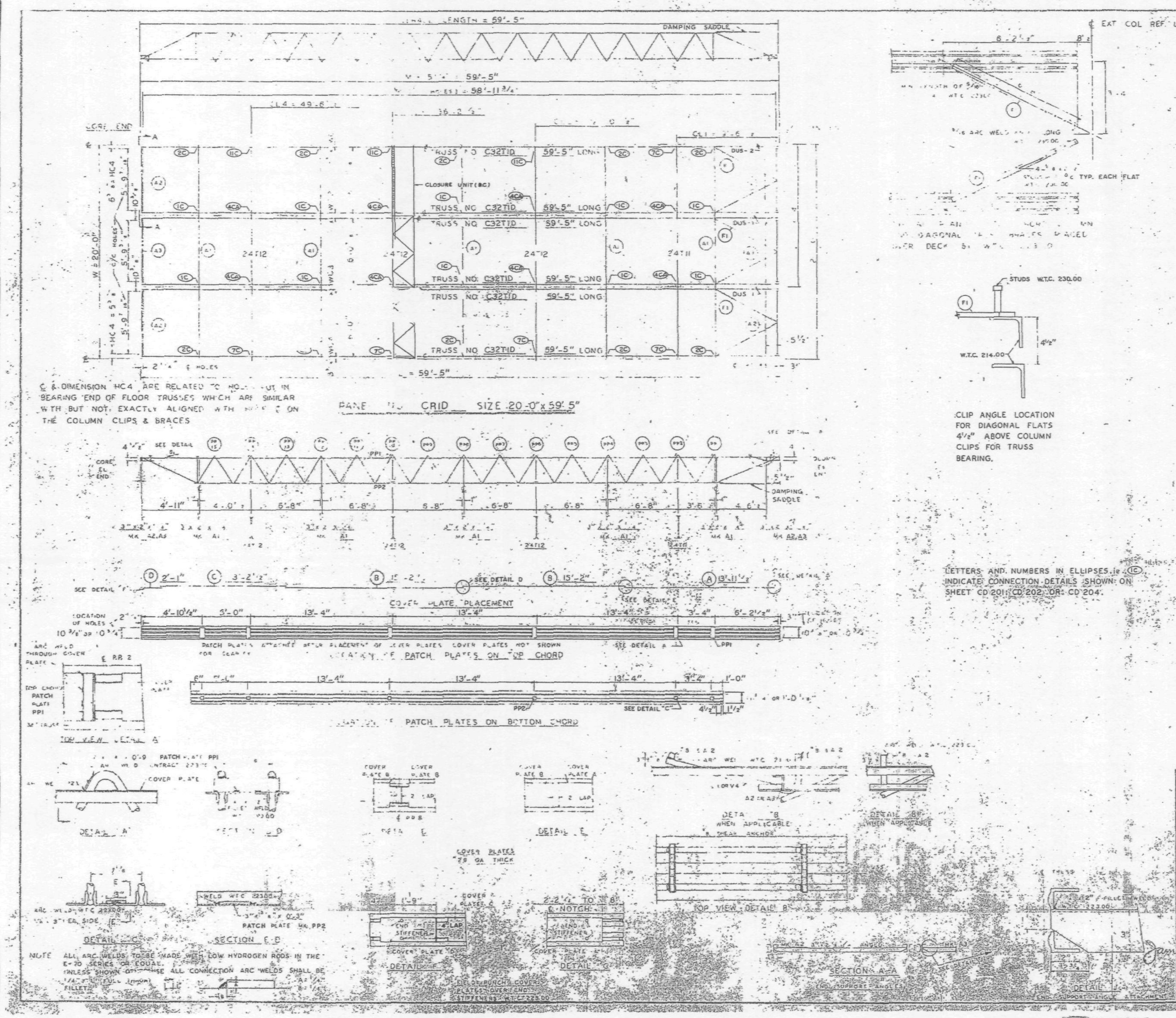
REF. DRWG.	
7-AB4 3,31	1-3-68
7-AB4 15,16 & 39	7-22-68
7-AB4 41	7-22-68
SA 124	10-11-68
7-AB3-2	1-3-68
7-AB1 2	7-22-68
7-AB4 5 6 7	7-22-68
7-AB4-42	10-22-68

[illegible] PANEL DETAILS
FOR
WOR[illegible] CENTER N.Y.C.
BY
THE [illegible] NEW YORK AUTHORITY

BLDG A FLOORS 49-58, 60-66, 68-74, 79-91 & 93-106 (S)

PANEL CRIC 20'-0" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3 8 7-22-68 PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA — DATE 11/1/68
DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR — DATE
CHECKED BY T.M. CHURA DATE OCT 23, 1968 — IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP CRIC



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1D	6	C32T1D - 59'-5"	ST201D
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x¼" ANGLE	A1	5	3"x2"x¼"x 19'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-11 9/16	ST 403
	A3	2	3"x2"x¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½"x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11½"	ST303
	B	6	9"x .0135"x 15'-2"	ST303
	C	3	9"x .0135"x 13'-2½"	ST303
	D	3	9"x .0135"x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x 1½"x ¼"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS	2	3½"x 3½"x ⅜"x 3'-6⅞"	ST 296
	DUS 2	1	3½"x 3½"x ⅜"x 3'-6⅞"	ST 296
CONNECTION BAR	CB1	4	1"φ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 3x1½"x 1¾"x	BT 212
			230 x 6'-6½"	CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3,3,1	1-3-68
7-AB4-15,16 & 39	7-22-68
7-AB4-41	7-22-68
SA 124	10-11-68
7-AB3-2	3-68
7-AB-2	7-22-68
7-AB-5 & 7	7-22-68
7-AB4-42	10-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 81-82 (N)

PANEL GRID 20'-0" x 59'-5"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-8 7-22-68 PLATE

APPROVED FOR FABRICATION James White FOR P.O.N.Y.A DATE 11/1/68

DRAWN BY DATE OCT 23, 1968

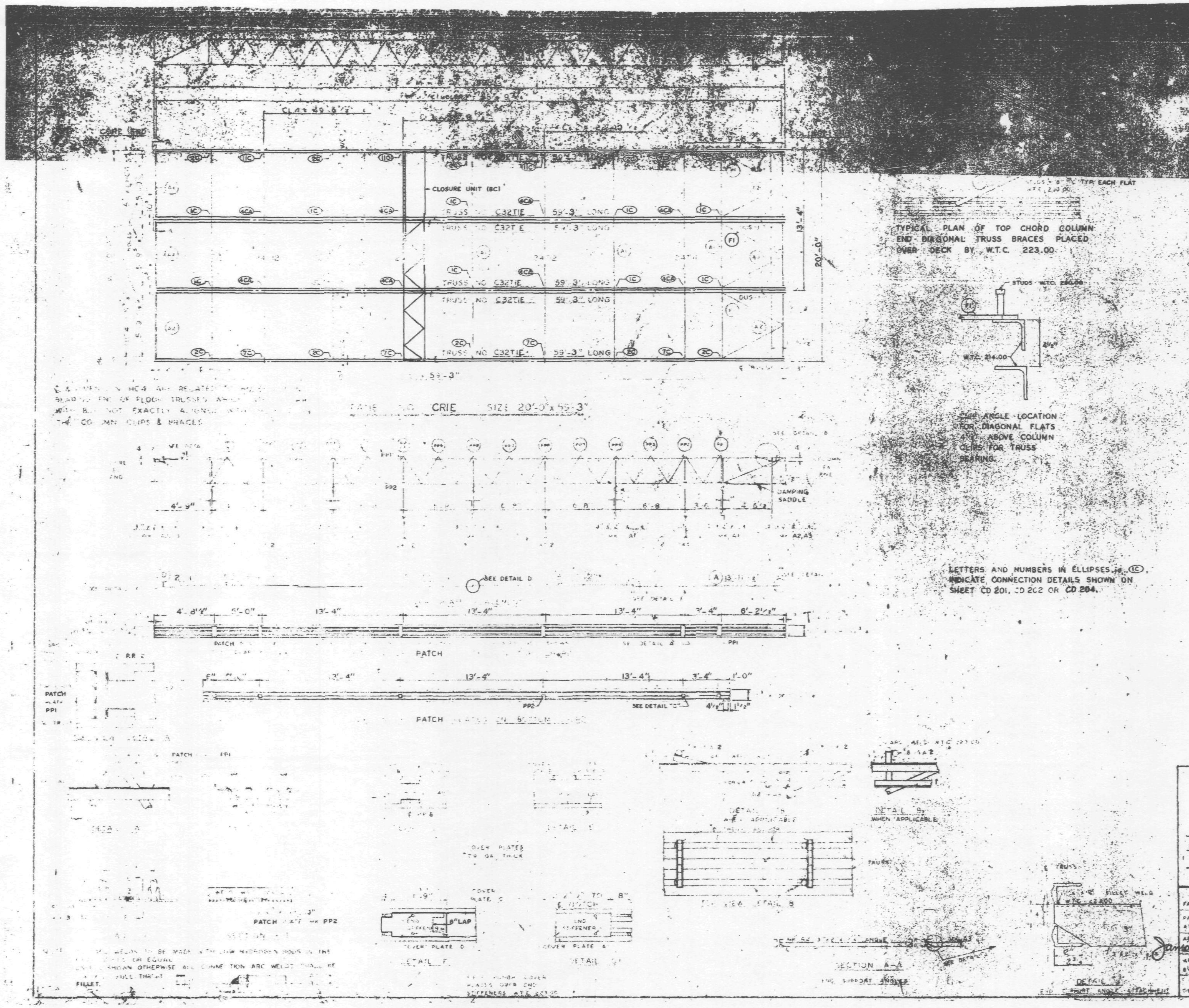
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

CHECKED BY T.M.CHURA DATE OCT 23, 1968 IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP GRID



PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	2" x 3/8" x 0'-3"	ST 400
COVER PLATE	A	3	9" x 0.35 x 5'-11½"	ST 303
	B	6	9" x .335 x 5'-2	ST 303
	C	3	[illegible]	[illegible]
	D	3	9" x 0.35" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1½" x [illegible] x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA8	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3½" x 3½" x 3/8" x 3'-8 7/8"	ST 298
	DUS-2	1	3½" x 3½" x 3/8" x 3'-8 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1½" x 1¼" x	BT 212
			230 x 6'-6½"	CD 203
CONNECTION PLATES	P1	8	3½" x 3/8" x 0'-6½"	ST 400
	P2	4	4½" x .38" x 0'-9"	ST 400
	P3	1	4½" x .38" x 1'-0"	ST 400

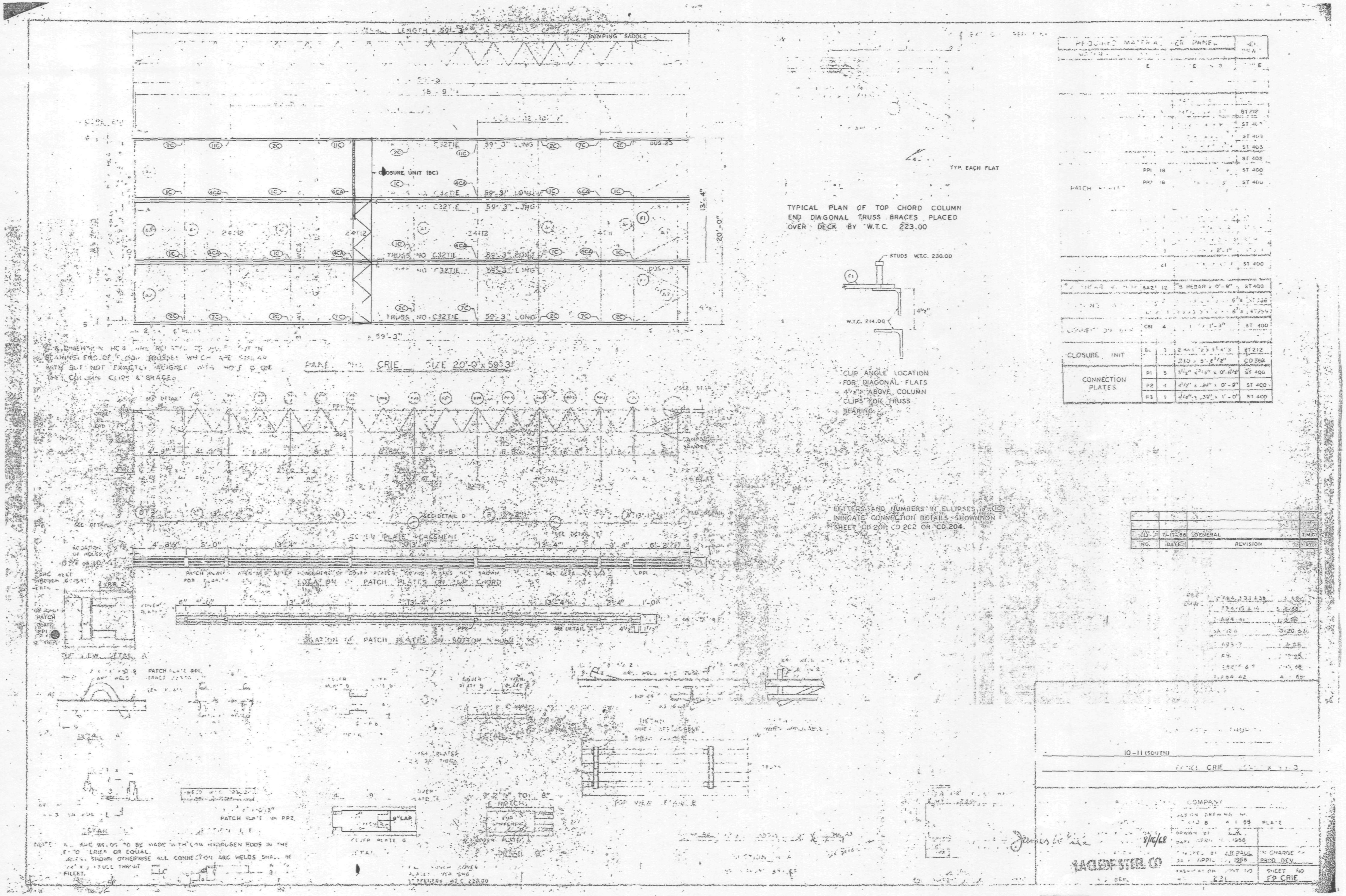
2	10-16-68	MAT'L LIST	G.D.C.
1	7-17-68	GENERAL	T.M.C.
NO.	DATE	REVISION	BY

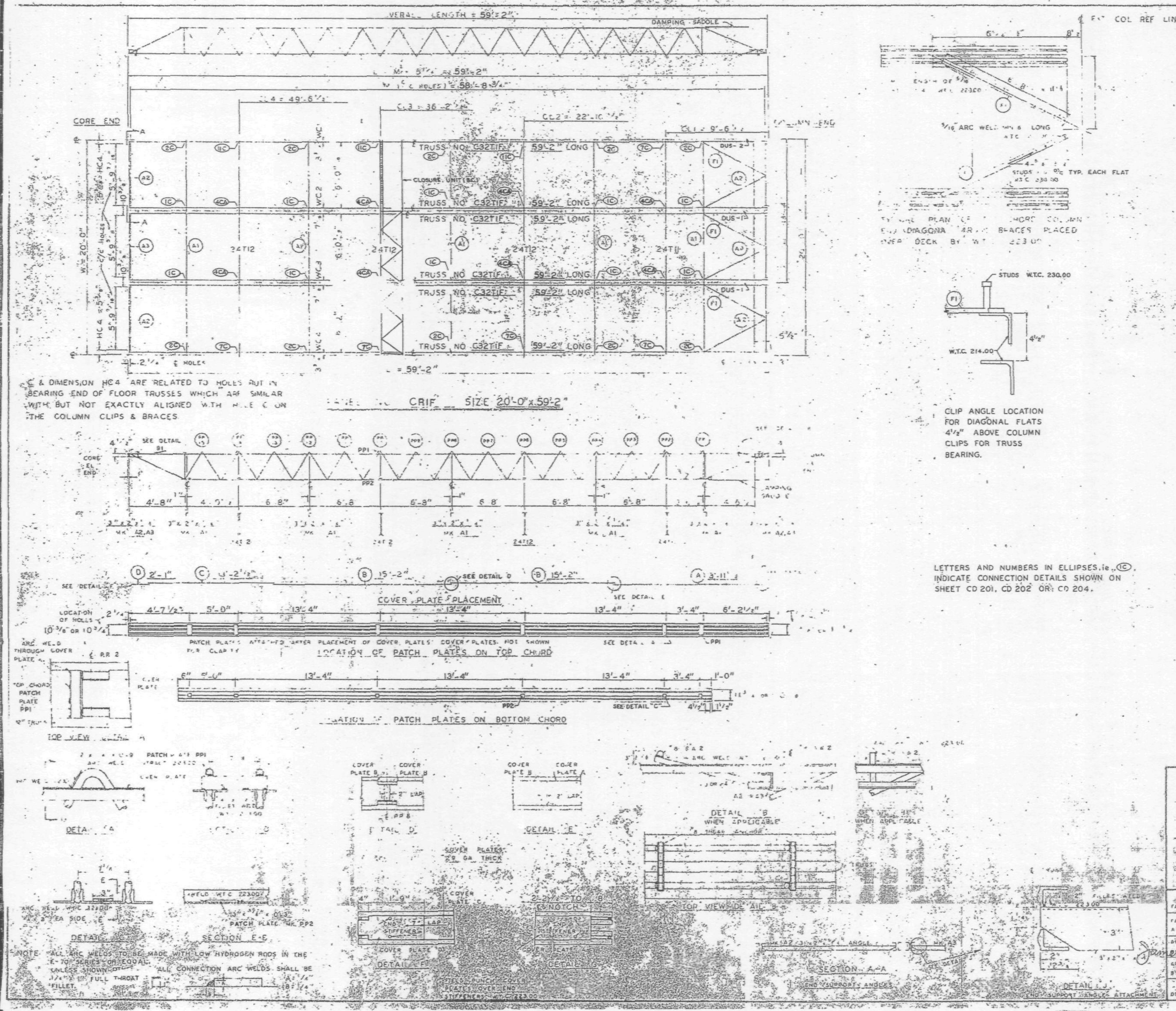
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)

PANEL CRIE 20'-0" x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 483 8 4-1-68	
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 10/21/68	DRAWN BY [illegible] DATE APRIL 10, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE APRIL 10, 1968	IN CHARGE PROD. DEV.
DETAILED BY [illegible] LACLEDE STEEL CO.		FABRICATION CONT. NO. WT 221	SHEET NO. FP CRIE


DAMPING SADDLE
CLOSURE UNIT (BC)
TRUSS NO. C32TIE
59'-3" LONG
13'-4"
20'-0"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
4 1/2"
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
PANEL NO. CRIE SIZE 20'-0" x 59'-3"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
LOCATION PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
SEE DETAIL
TOP VIEW DETAIL "A"
PATCH PLATE PP1
PATCH PLATE PP2
DETAIL "B"
TOP VIEW FLANGE
CLOSURE UNIT
CONNECTION PLATES
ST 400
ST 402
ST 403
ST 212
CD 204
1 7-17-68 GENERAL
NO. DATE REVISION
10-11 (SOUTH)
CRIE
COMPANY
DRAWN BY
APRIL 1968
CHECKED BY A.B. PAUL
IN CHARGE OF PROD. DEV.
8/16/68
LACLEDE STEEL CO
FABRICATION CONT. NO. 221
SHEET NO. FP CRIE



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIF	6	C32TIF - 59'-2"	ST201F
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	5	[illegible]	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135" x 13'-11 1/2"	ST303
	B	6	9" x 0.135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x 0.135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-8 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-8 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4x1 1/2"x1 1/4"x .230 x 6'-6 1/2"	BT212 / CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

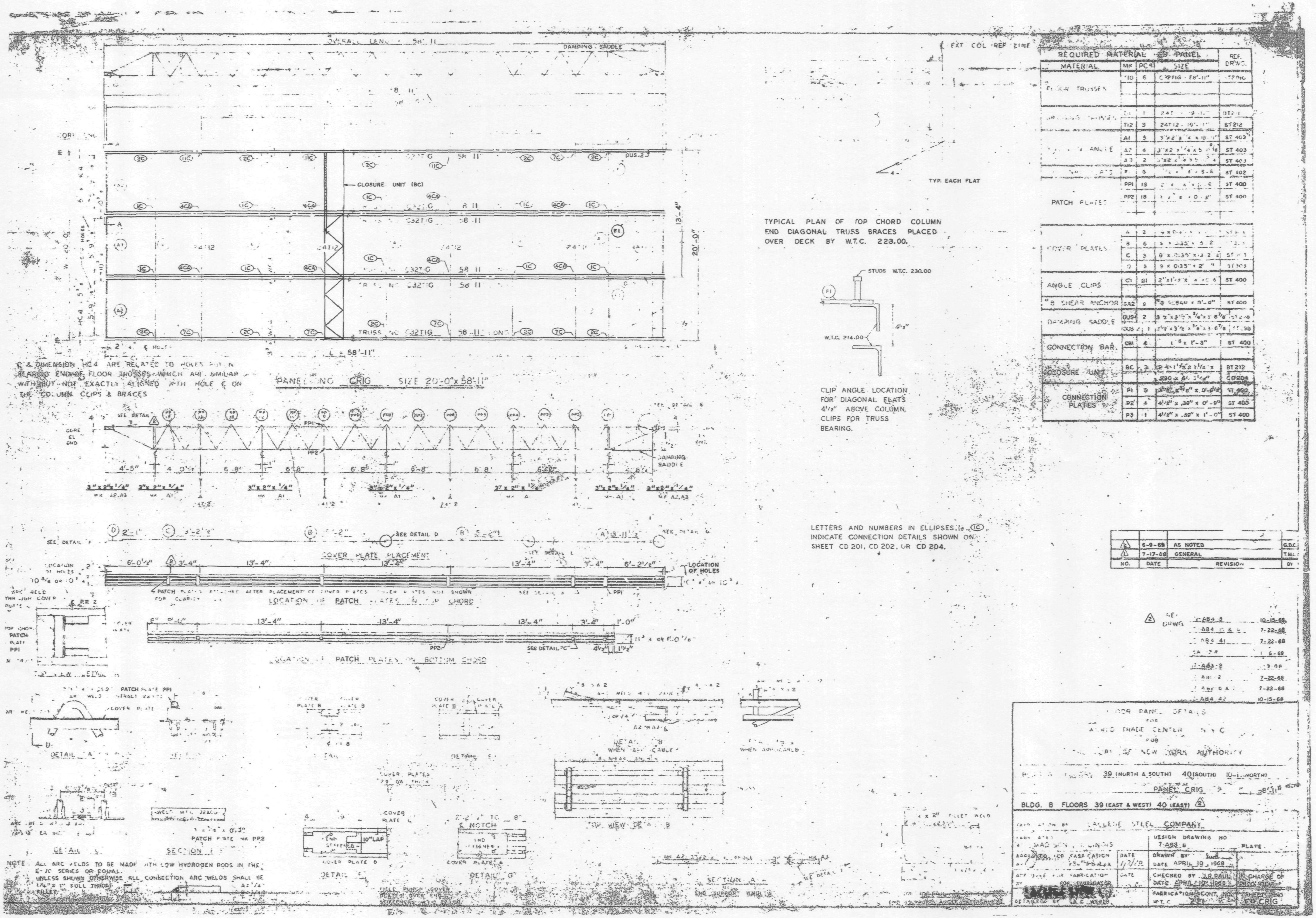
7-AB4-15,16 & 39 7-22-68
7-AB4 41 7-22-68
SA 24 10-11-68
7-AB3 2 1-3-68
7-AB1 7-22-68
7-AB4 5 & 7 7-22-68
7-AB4-42 10-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 47-48 (S) 47-48, 70-71 (N)

PANEL CRIF 20'-0" x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-8 7-22-68 PLATE
APPROVED FOR FABRICATION FOR PONYA DATE 11/1/68
DRAWN BY DATE OCT 23, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.N. CHURA DATE OCT 23, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP CRIF



REQUIRED MATERIAL ONE PANEL				REF. DR'WG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIG	6	C32TIG - 58'-11"	ST 206
[illegible] TRUSSES	[illegible]	1	24T[illegible] - 19'-[illegible]	BT 2[illegible]
	T12	3	24T12 - 19'-1"	BT 212
[illegible] ANGLE	A1	5	3"x2"x¼"x[illegible]	ST 403
	A2	4	3"x2"x¼"x5'-[illegible]	ST 403
	A3	2	3"x2"x¼"x5'-[illegible]	ST 403
[illegible] FLATS	F	6	[illegible] x 6'-8	ST 102
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] x 0'-3"	ST 400
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	[illegible] x 0.35" x 5'-2	[illegible]
	C	3	9" x 0.35" x 3'-2½	[illegible]
	D	3	9 x 0.35" x 2'-[illegible]	ST 303
ANGLE CLIPS	C1	21	2"x1½"x[illegible] x 0'-6"	ST 400
#8 SHEAR ANCHOR	S82	9	#8 [illegible] x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3½"x3½"x⅜"x3'-6⅞"	ST [illegible]
	DUS 2	1	3½"x3½"x⅜"x3'-6⅞"	ST [illegible]
CONNECTION BAR	CB1	4	1[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	24"x1½"x1¼"x 230 x 84 3½"	BT 212 CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6¼"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-9-68	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.L.

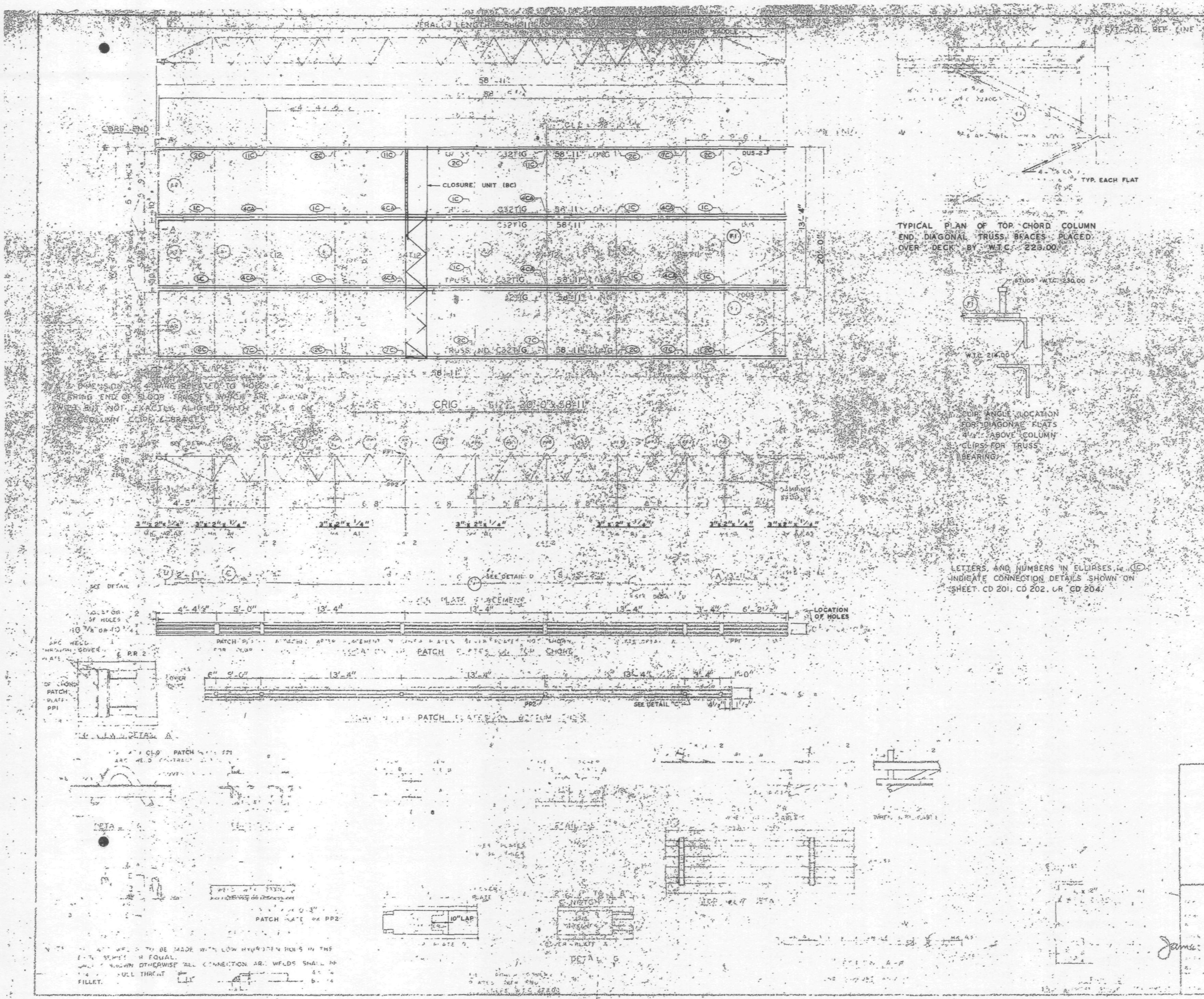
REF. DRWG

7-AB4-3	10-15-68
7-AB4-5 & 6	7-22-68
7-AB4-41	7-22-68
SA-2A	1-6-69
7-AB3-2	[illegible]-9-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39 (NORTH & SOUTH) 40 (SOUTH) 10-[illegible] (NORTH)
PANEL CRIG [illegible] 58'-11"
BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-8
APPROVED FOR FABRICATION — DATE 1/2/69
DRAWN BY [illegible] DATE APRIL 10, 1968
CHECKED BY J.R. PAUL DATE APRIL 10, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP CRIG



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK		SIZE	
	IG	[illegible]	[illegible]TIG 58'-11"	ST 2[illegible]IG
[illegible]		1	24[illegible]	[illegible]
	TI2	3	24T12 - 19'-[illegible]	BT212
[illegible] ANGLE	A1	5	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	[illegible]	2	[illegible]	ST 403
[illegible]	F	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	16	[illegible] 3"	ST 400
COVER PLATES	A	3	9"x.0135"x[illegible]	ST 3[illegible]
	B	6	9"x.0135"x[illegible]	ST 303
	C	3	9"x.0135"x13'-2 1/2"	ST 303
	D	3	9"x.0135"x 2'-1"	ST 303
ANGLE CLIPS	C1	21	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	[illegible] 3'-6 7/8"	ST 298
	DUS-2	1	[illegible] x 1/8 x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1"φ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	[illegible] 1 1/2" x 1 1/4" x	BT212
			230 x 6'-0 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	7-17-68	GENERAL	T.M.C.

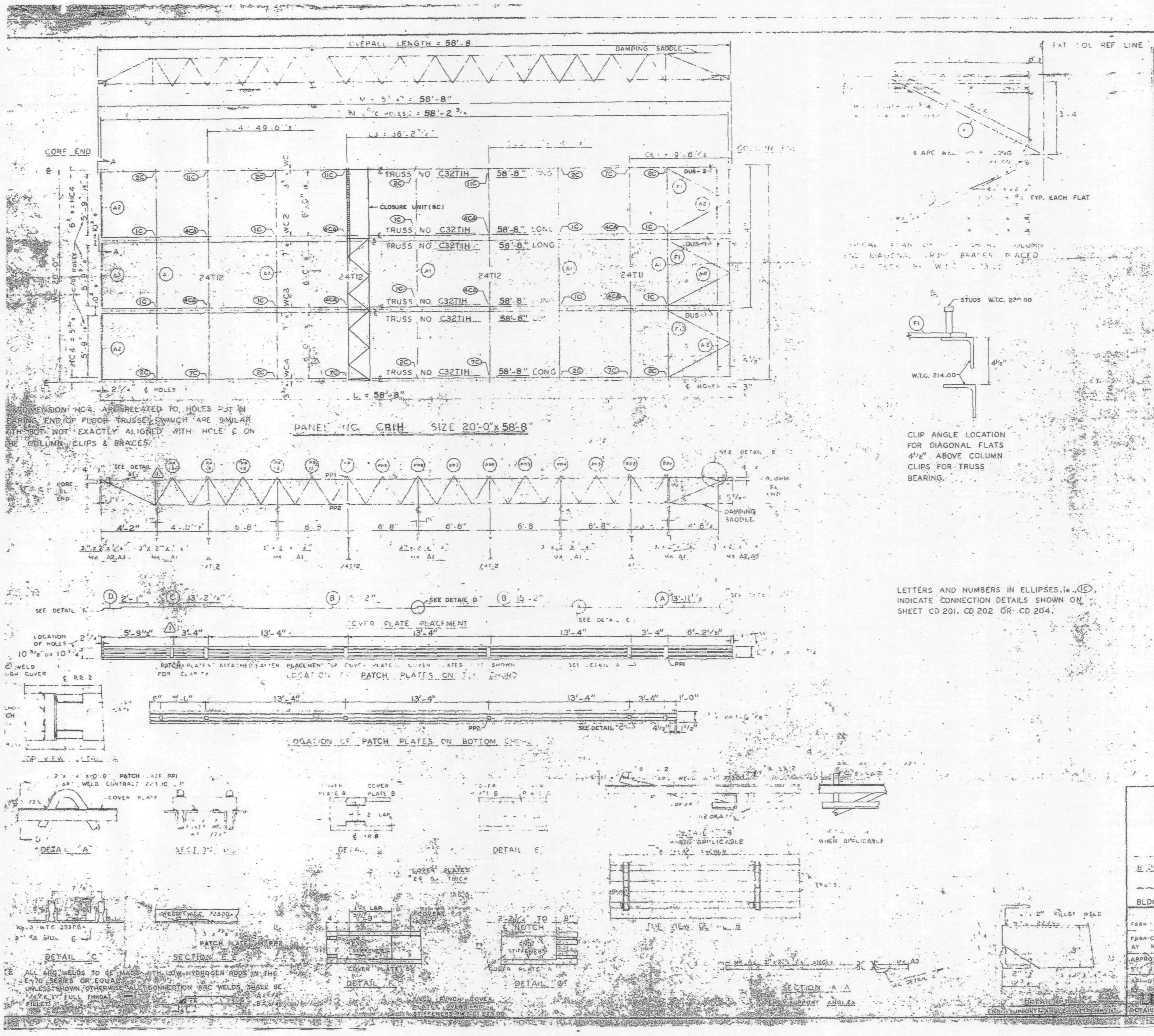
39 (NORTH & SOUTH) 40 (SOUTH) 10-11 (NORTH)

CRIG 8'-11"

James White 8/16/68

LACLEDE STEEL CO.

CRIG



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1H	6	C32T1H - 58'-8"	ST201H
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x¼" ANGLE	A1	5	3"x2"x¼"x 19'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-11 9/16	ST 403
	A3	2	3"x2"x¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½"x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9"x.0135"x 13'-11½"	ST303
	B	6	9"x.0135"x 15'-2"	ST303
	C	3	9"x.0135"x 13'-2½"	ST303
	D	3	9"x.0135"x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1½"x¼"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x3½"x⅜"x3'-6⅞"	ST238
	DUS-2	1	3½"x3½"x⅜"x3'-6⅞"	ST238
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-L 1½"x 1¼"x ⅛	ST212
			230 x 6'-6½"	CD204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
⚠1	6-9-69	AS NOTED	G.D.C.

REF. DRWG.	
7-AB4-3	10-15-68
7-AB4-15,16 & 39	7-22-68
7-AB4-41	7-22-68
SA-124	1-69
7-AB3-2	4-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80 (N)

PANEL CR1H - 20' x 58'-8"

BLDG. B FLOORS 79-80 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8

APPROVED FOR FABRICATION FOR P.O.N.Y.A. — DATE 1/2/70

DRAWN BY — DATE OCT 23, 1968

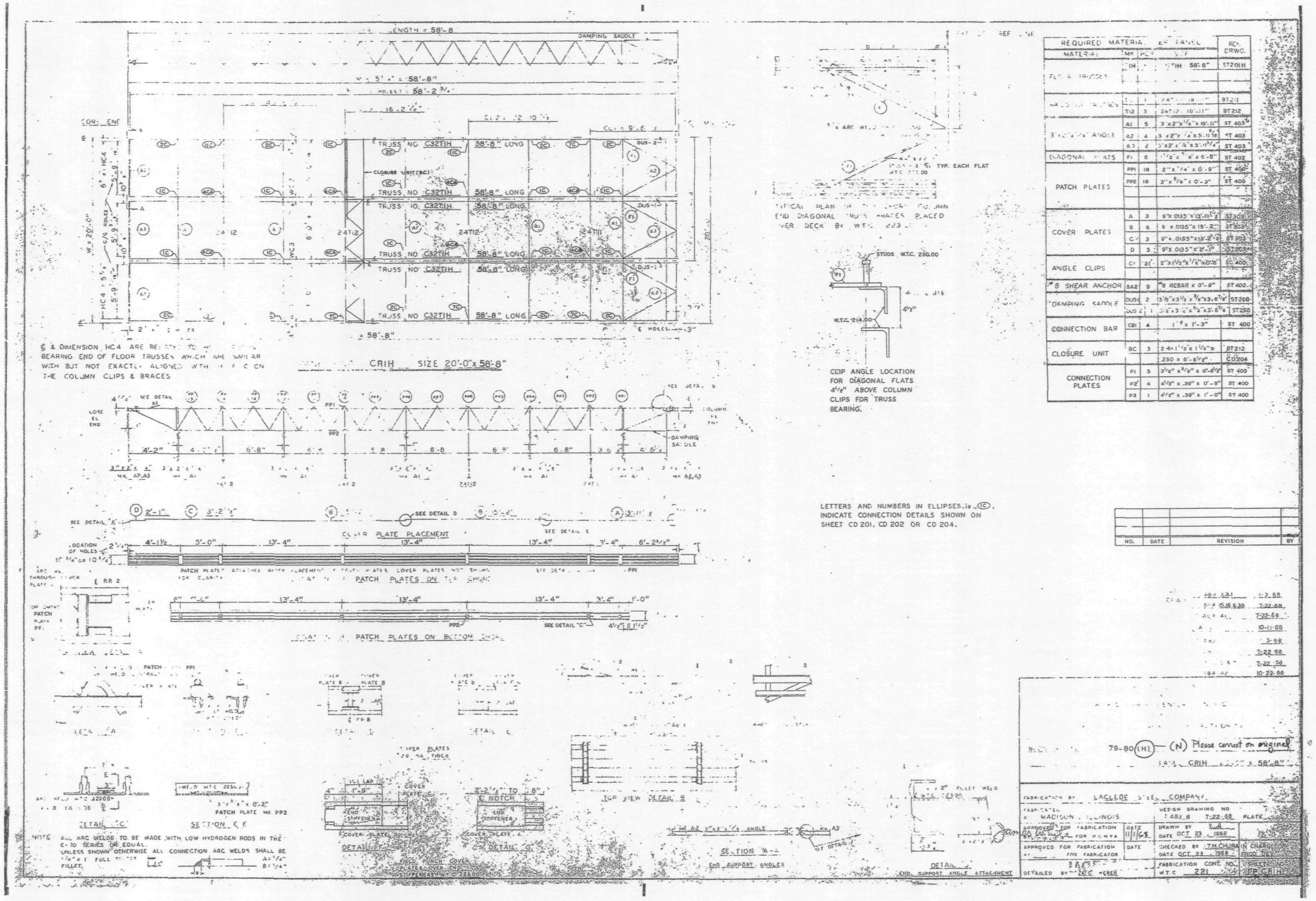
APPROVED FOR FABRICATION FOR FABRICATOR — DATE

CHECKED BY T.M.CHURA — DATE OCT. 23, 1968

IN CHARGE OF PROD.

DETAILED BY A.C. WEISS

FABRICATION CONT. NO. — 22 — SHEET CR1H



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1H	[illegible]	C32T1H 58'-8"	ST201H
BRIDGING TRUSSES	T1[illegible]	1	24" ... 19'-[illegible]"	BT2[illegible]
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-5"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 5/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/8" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" # x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 4 x 1 1/2" x 1 1/4" x	BT 212
			230 x 6'-6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

NO.	DATE	REVISION	BY

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

79-80 (H) — (N) Please correct on original

PANEL CRIH ... x 58'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7 A83_8 7-22-68 PLATE

APPROVED FOR FABRICATION BY ... FOR PGNYA — DATE 11/1/68

DRAWN BY ... DATE OCT 23, 1968

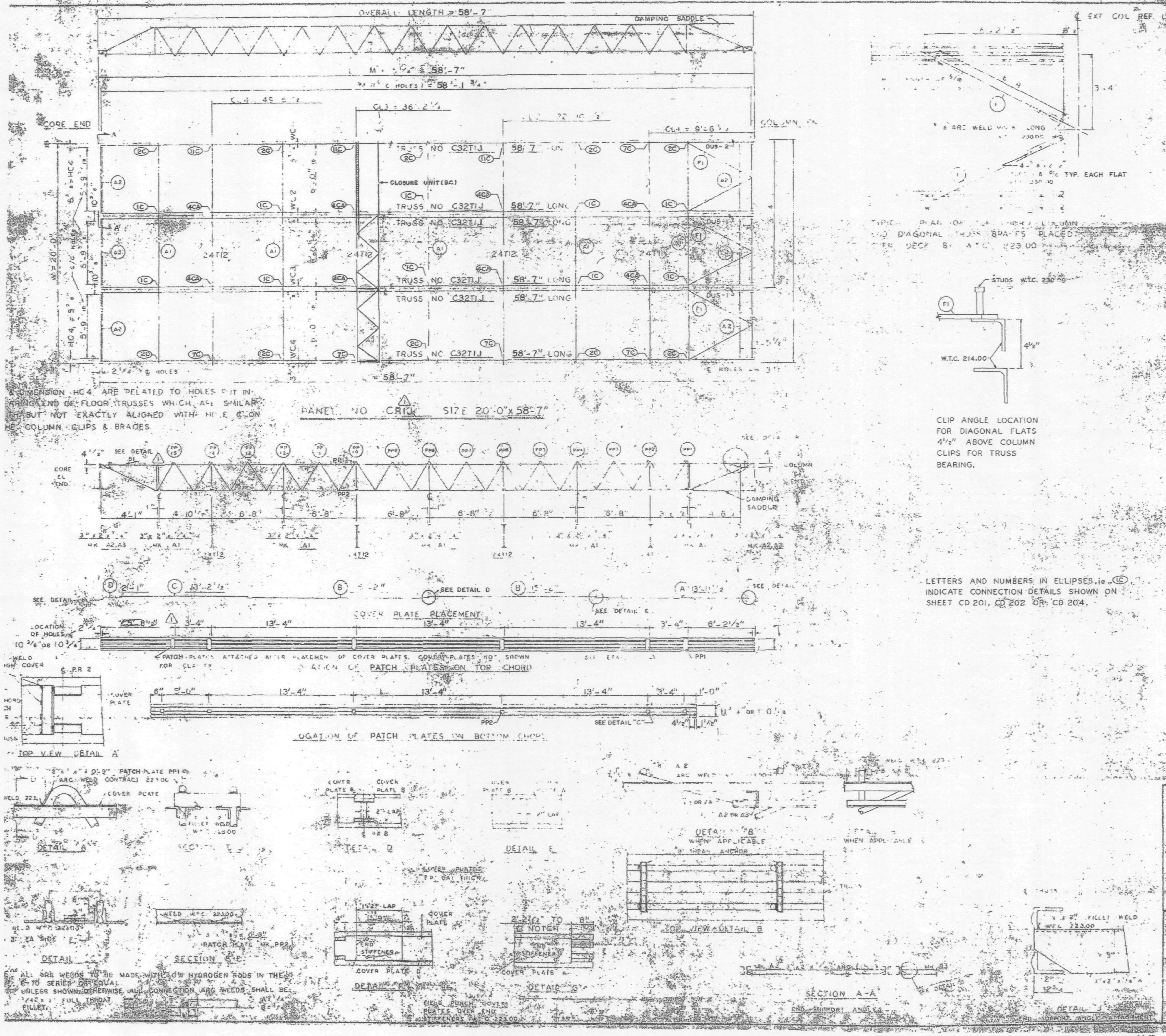
APPROVED FOR FABRICATION BY ... FOR FABRICATOR — DATE

CHECKED BY T.M. CHURA IN CHARGE OF PROD. DEV. DATE OCT 23, 1968

DETAILED BY ... WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP CRIH



LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1J	6	C32T1J - 58'-7"	ST 201 J
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT 211
	T12	3	24T12 x 19'-11"	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 13'-2 1/2"	ST 302
	C	3	9" x .0135" x 12'-2 1/2"	ST 302
	D	3	9" x .0135" x 2'-[illegible]"	ST 303
ANGLE CLIPS	C1	2	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA3	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	[illegible]
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	[illegible]
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2" x 1 1/2" x 1/4" x	BT 212
			230' x 6'-6 1/2"	CD 20[illegible]
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

REF. DRWG (1)

7-AB4-3	10-15-68
7-AB4-15,18 & 39	7-22-68
7-AB4-41	7-22-68
SF-124	[illegible]-69
7-AB3-2	1-3-68
7-AB1-2	[illegible]
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS

WORLD TRADE CENTER N.Y.C.

FOR

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 40 (N)

PANEL CRIJ - 20' x 58'-7"

BLDG. B FLOORS 40 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-[illegible]

APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 1/2/70

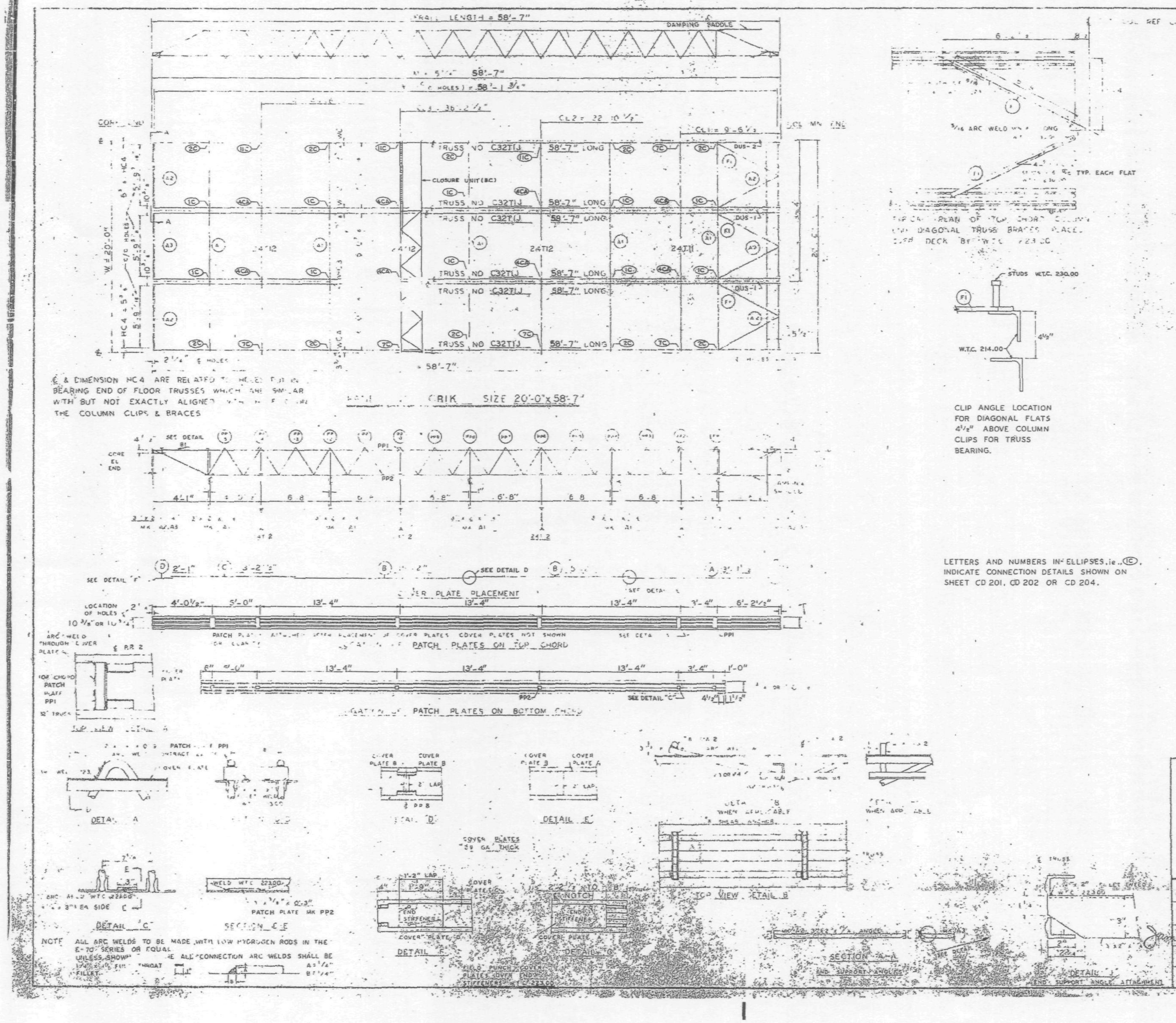
DRAWN BY [illegible] DATE OCT 23, 1968

APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE [illegible]

CHECKED BY T.M. CHURA DATE OCT 23, 1968

DETAILED BY LACLEDE STEEL CO.

FABRICATION CONTRACT W.T.C. 221



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1J	6	C32T1J - 58'-7"	ST201J
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	ST211
	T12	3	24T12 - 19'-11"	ST212
[illegible] ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-[illegible]	ST 403
	A3	2	[illegible]	ST 403
DIAGONAL FLATS	F1	5	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	[illegible]	ST 308
	B	6	[illegible]	ST 308
	C	3	[illegible]	ST 308
	D	3	[illegible]	ST 308
ANGLE CLIPS	C	21	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS 1	2	[illegible]	ST 255
	DUS 2	1	[illegible]	ST 255
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	ST212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF. DRWS.	
[illegible] AB4-21	1-3-68
[illegible] AB4	7-22-68
[illegible] AB4-41	7-22-68
SA [illegible]	10-11-68
[illegible] AB3-2	1-3-68
AB [illegible]	7-22-68
[illegible] 6 7	7-22-68
AB4-42	10-22-68

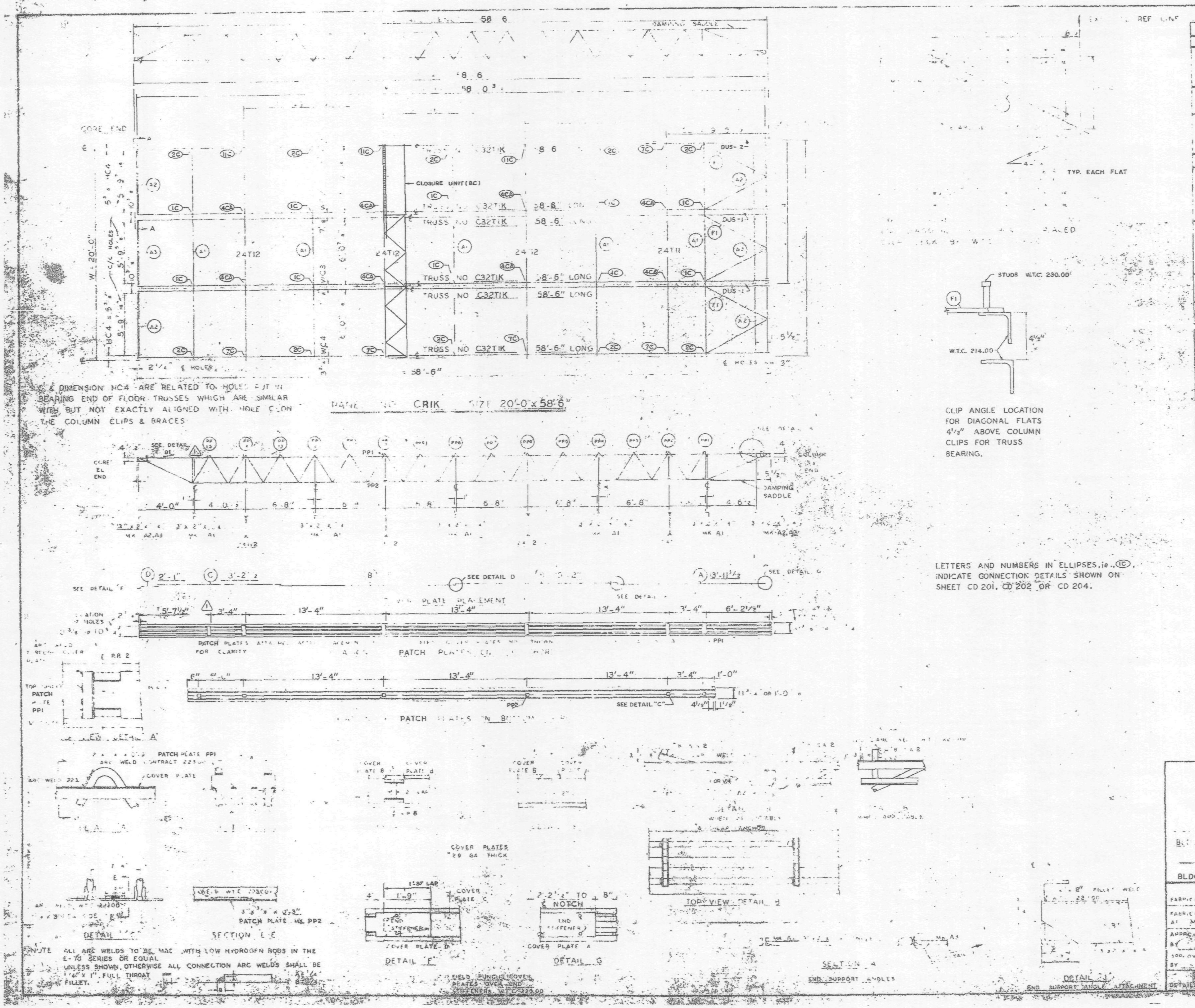
[illegible] PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOOR 40 (N)

PANEL CRIJ 20'-0" x 58'-7"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-8 7-22-68 PLATE
APPROVED FOR FABRICATION FOR PONYA — DATE 11/1/68	DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE	CHECKED BY T.M.CHORN DATE OCT 23, 1968 — IN CHARGE OF PROD. DEV.
DETAILED BY [illegible] WEBER	FABRICATION CONT. NO. W.T.C. 221 — SHEET NO. FP CRIJ



DIMENSION HC4 ARE RELATED TO HOLES FIT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL UNLESS SHOWN, OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
[illegible]	K	6	C32TIK - 58'-6"	ST C32TIK
BRIDGING TRUSSES	T1	1	24T[illegible] - 19'-[illegible]	[illegible]
	T12	3	24T12 - 19'-[illegible]	BT212
[illegible] ANGLE	A1	5	3" x 2" x 1/4" x 18'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x [illegible] x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST303
	B	6	9" x .0135" x 15'-2 1/4"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x .0135" x [illegible]	ST303
ANGLE CLIPS	C1	21	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" [illegible] x 0'-2"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	ST212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

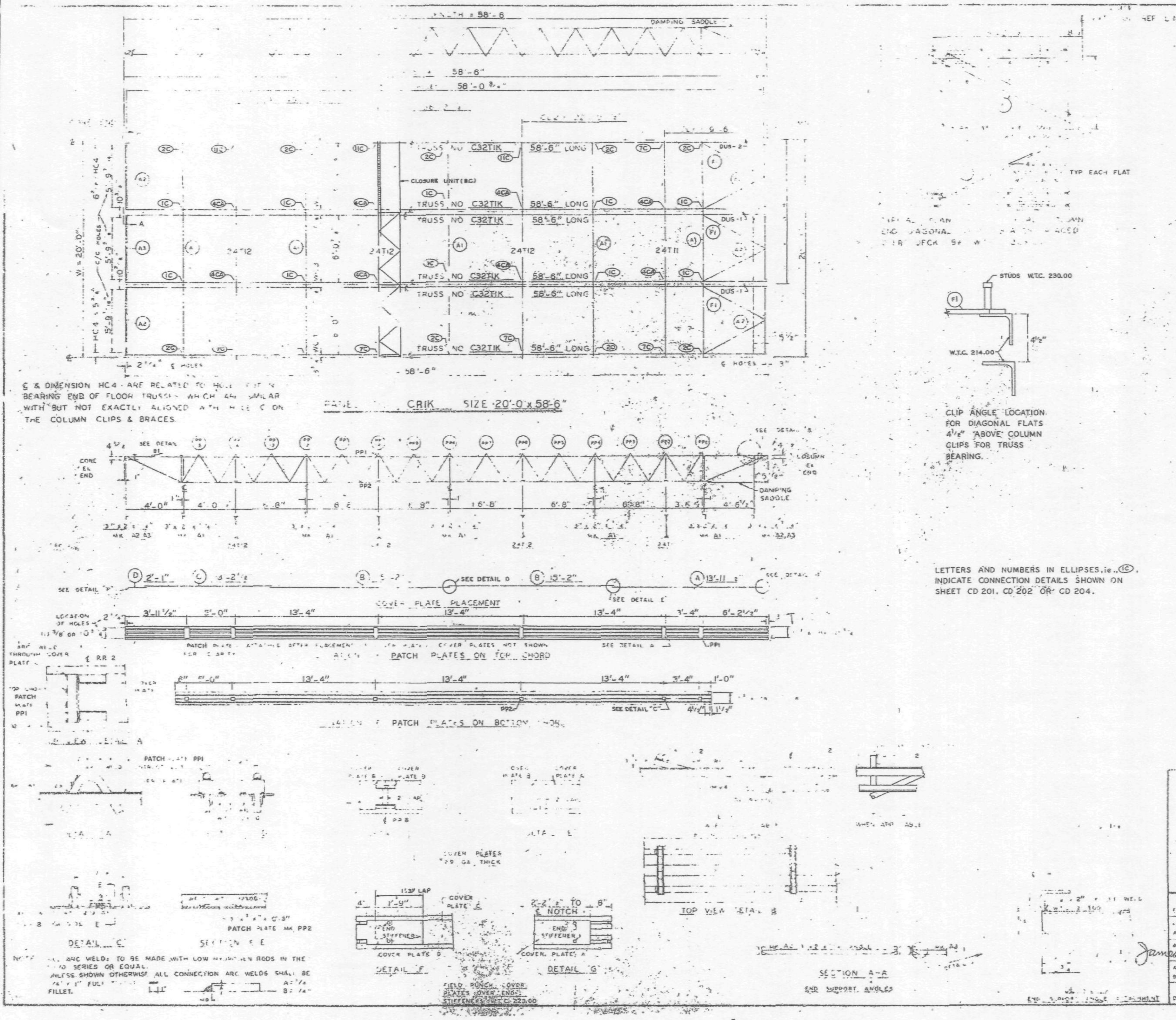
NO.	DATE	REVISION
1	6-9-69	AS NOTED

REF. DWGS.	
7-AB4-3	10-15-68
7-AB4 5,16 & 39	7-22-68
7-AB4 41	7-22-68
[illegible]	[illegible]-69
7-AB3-2	3-68
[illegible] 2	7-22-68
7-AB4 5 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR THE
PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 45-46 (S) 46 (N)
PANEL CRIK 58'-6"
BLDG. B FLOORS 45 (EAST) 46 (EAST & WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB4-B [illegible]
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 1/2/70
DRAWN BY [illegible] DATE OCT 23 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M.C. JR. DATE OCT 23
DETAILED [illegible]



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSS	K	[illegible]	C32TIK 58'-6	ST201K
[illegible]	T	1	[illegible]	[illegible]
	T12	3	24T12 19'-11"	BT212
[illegible] ANGLE	A1	5	3 x 2 x 1/4 x 19'-11"	ST 403
	A2	4	3 x 2 x 1/4 x 5'-11 9/16	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST303
	B	6	9" x .0135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ∅ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-∠s 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT212 / CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

NO.	DATE	REVISION	BY

7-484 42 10-22-68

BLDG. A FLOORS 45-46 (S) 46 (N)

PANEL CRIK 20'-0" x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-483 8 7-22-68 PLATE

APPROVED FOR FABRICATION James White FOR PONYA DATE 11/1/68

APPROVED FOR FABRICATION FOR FABRICATOR DATE

DRAWN BY DATE OCT 23, 1968

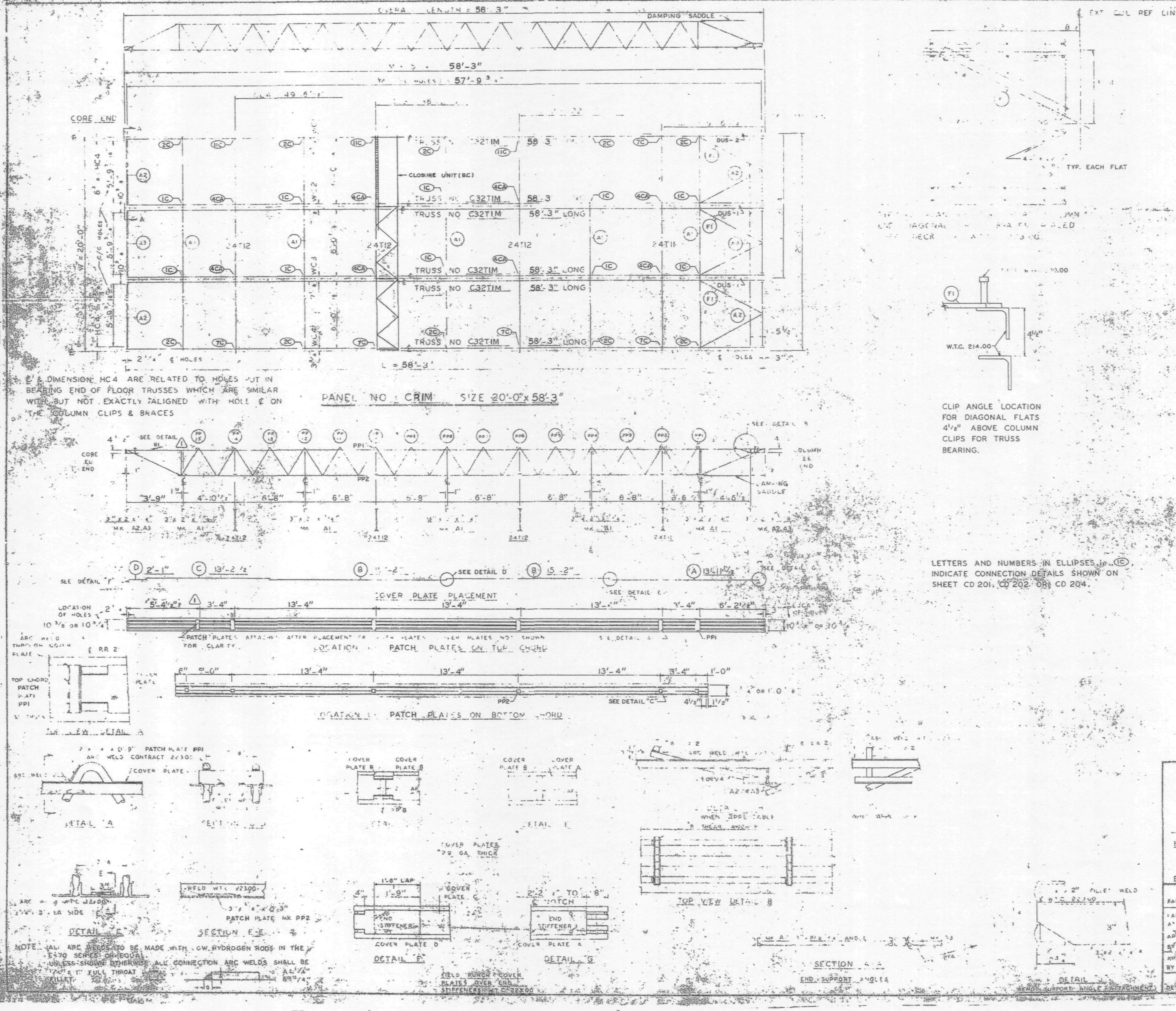
CHECKED BY T.M. CHURA DATE OCT 23, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT NO. W.T.C. 221

SHEET NO. FP-CRIK



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIM	6	C32TIM - 58'-3"	ST201M
BRIDGING TRUSSES	1	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x3/8"x6'-8"	ST 402
PATCH PLATES	PP1	18	2"x1/4"x0'-9"	ST 400
	PP2	18	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	3	9"x.0135"x[illegible]-11 1/2"	ST303
	B	6	9"x.0135"x15'-2"	ST303
	C	3	9"x.0135"x13'-2 1/2"	ST303
	D	3	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-8"	ST400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST2[illegible]
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST258
CONNECTION BAR	CB1	4	1"¢ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-[illegible]x1 1/2"x1 1/4"x	BT212
			.230 x 5'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	4	4 1/2"x.39"x0'-9"	ST 400
	P3	1	4 1/2"x.39"x1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.

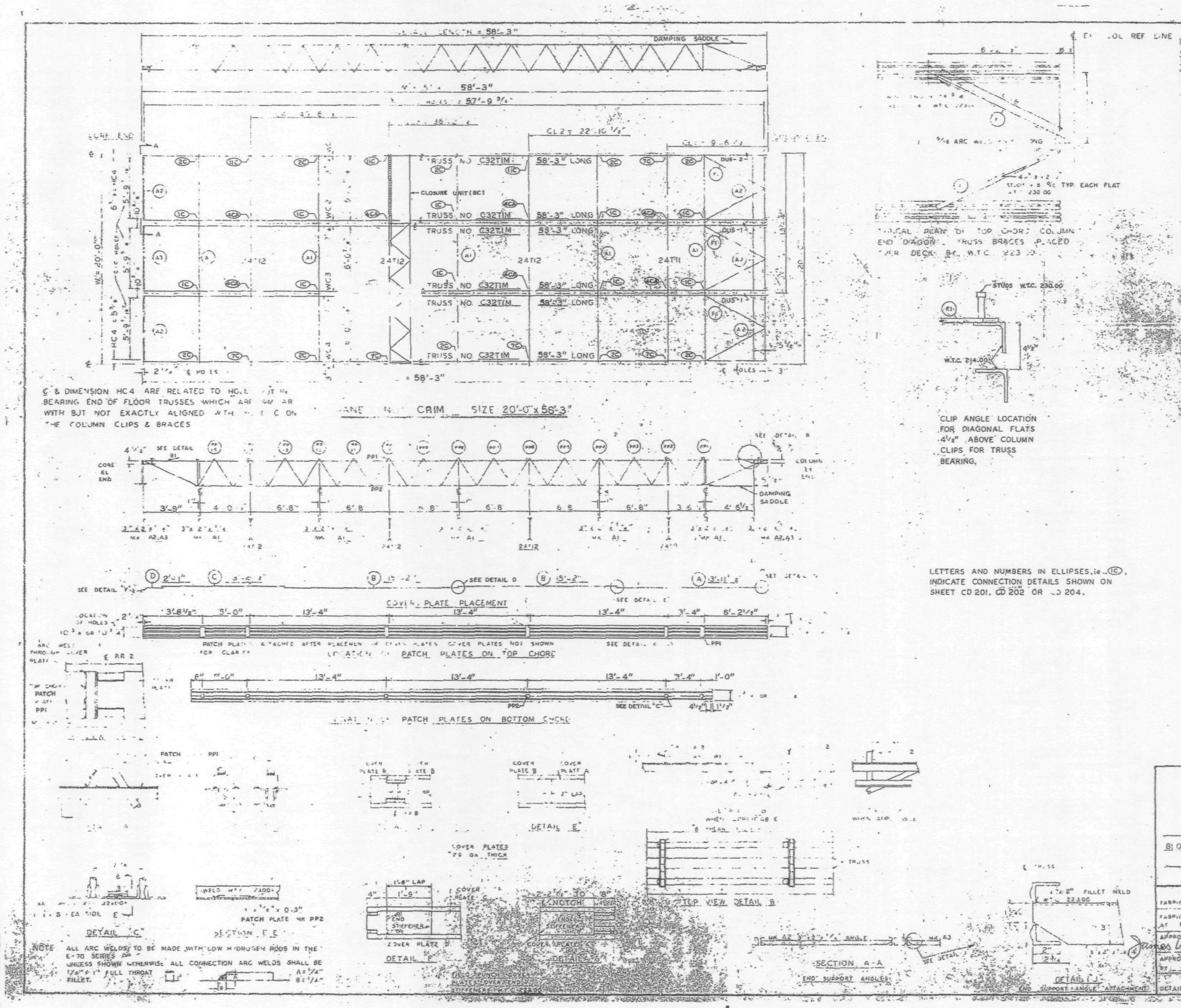
REF DRWG

AB4-3	10-15-68
AB4-15,16 & 39	7-22-68
AB4-41	7-22-68
SA 12-4	1-6-69
AB3-2	1-3-68
AB1-2	7-22-68
AB2-6 & 7	7-22-68
AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)
PANEL CRIM 20'-0" x 58'-3"
BLDG. B FLOORS 72-73 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-8
APPROVED FOR FABRICATION BY [illegible] P.O.N.Y.A. DATE 7/2/69
DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY [illegible]
CHECKED BY T.M. CHUR DATE OCT. 23, 1968
IN CHARGE OF PROCEDURE
DETAILED BY A.C. WEBER
FABRICATION CONT. W.T.C.
RIM



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIM	6	C32TIM - 58'-3"	ST201M
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3 x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 1/4"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	[illegible]	[illegible]
	C	3	[illegible]	[illegible]
	D	3	[illegible]	[illegible]
ANGLE CLIPS	CL	21	[illegible]	ST 400
SHEAR ANCHOR	SA2	9	[illegible]	ST 400
DAMPING SADDLE	DUS1	2	[illegible]	ST 298
	DUS2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 4 x 1 1/2" x 1 1/4" x	BT212
			230 x 6'-1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .35" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

BLDG A 72-73 (N)

PANEL CRIM 20'-0" x 58'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-22-68

APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 11/1/68

DRAWN BY DATE OCT 23, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

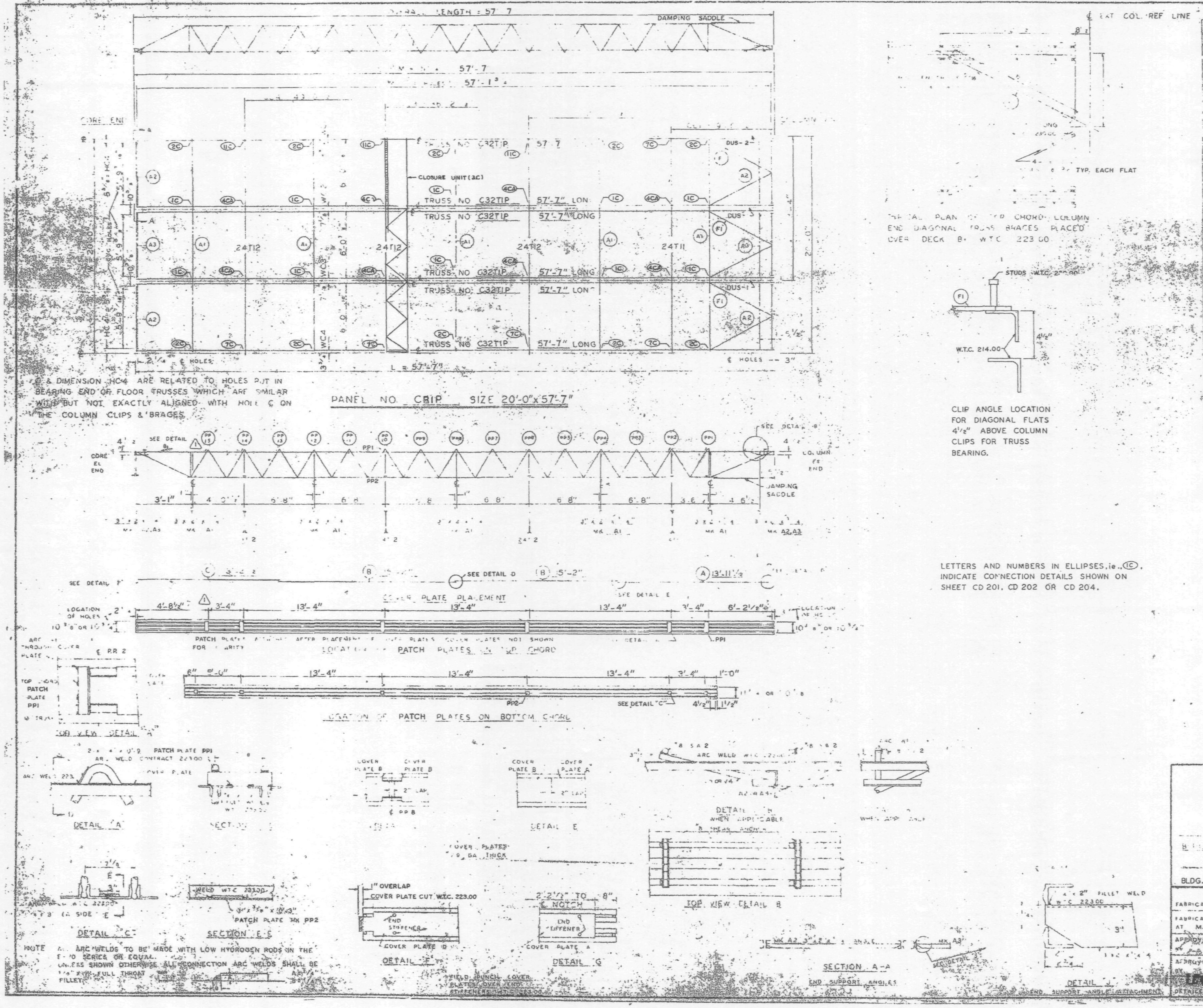
CHECKED BY T.M. CHURA DATE OCT 23, 1968

IN CHARGE OF PRODUCTION

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. CRIM



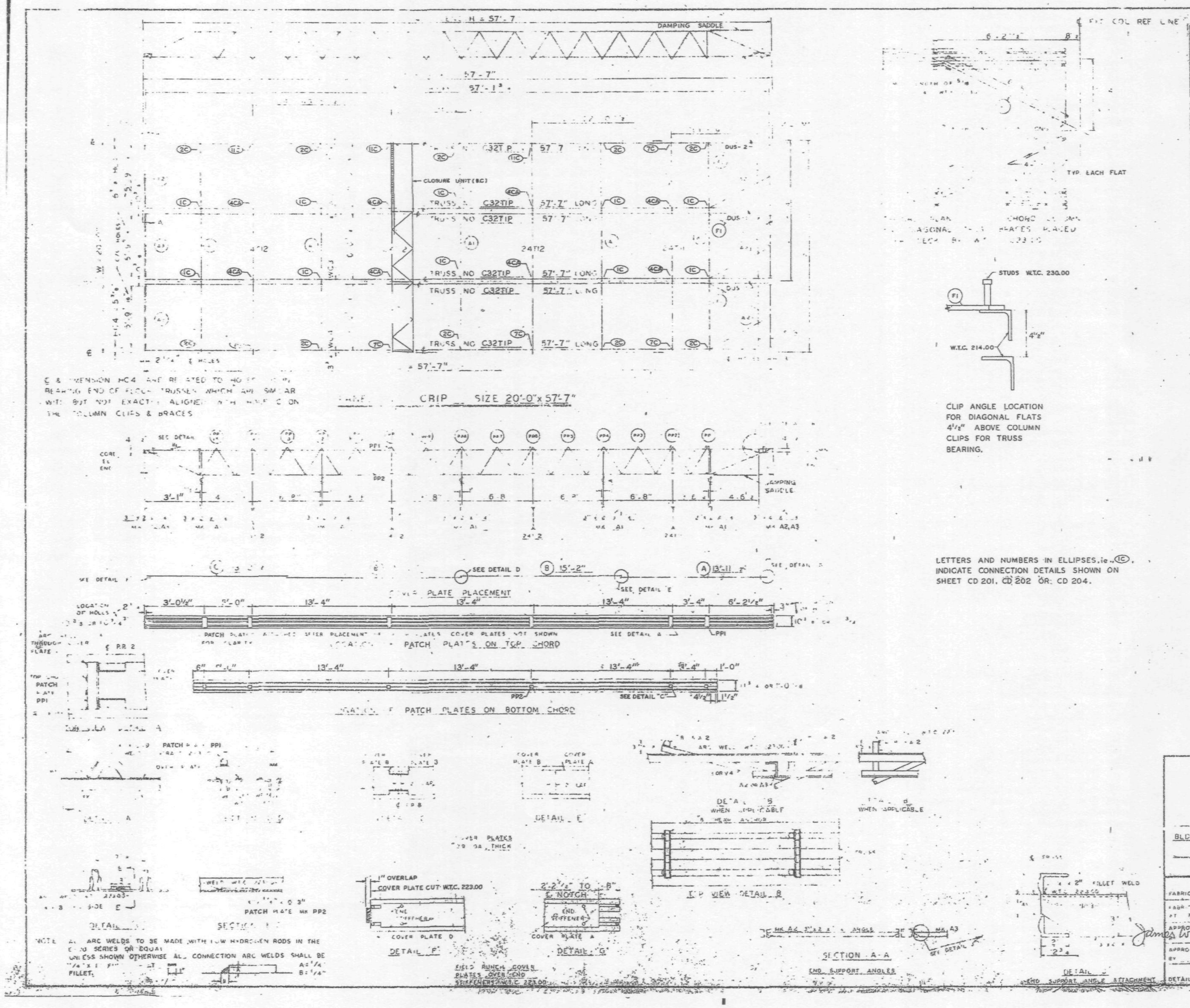
REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIP	6	C32TIP - 57'-7"	ST201P
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F.	6	1 1/2"x5/8"x6'-6"	ST 402
PATCH PLATES	PP1	18	2"x1/4"x0'-9"	ST 400
	PP2	18	3"x5/8"x0'-3"	ST 400
COVER PLATES	A	3	9"x.0135"x13'-11 1/2"	ST 303
	B	6	9"x.0135"x15'-2"	ST 303
	C	3	9"x.0135"x13'-2 1/2"	ST 303
ANGLE CLIPS	C1	21	[illegible]	ST 400
3" SHEAR ANCHOR	SA2	9	[illegible]	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x[illegible]	ST 203
	DUS-2	1	3 1/2"x3 1/2"x[illegible]	ST 203
CONNECTION BAR	CB1	4	1"x1'-3"	ST 400
CLOSURE UNIT	8C	3	2-[illegible]	BT212
			.230 x 6'-8 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2"x3/8"x0'-8 1/2"	ST 400
	P2	4	4 1/2"x.38"x0'-9"	ST 400
	P3	1	4 1/2"x.39"x1'-0"	ST 400

NO.	DATE	REVISION
1	6-9-69	AS NOTED

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 74 (N)
PANEL CRIP 57'-7"
BLDG. B FLOORS 74 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-ABS-8
APPROVED FOR FABRICATION — DATE 1/2/70
DRAWN BY — DATE OCT 23, 1968
CHECKED BY T.M. CHURAN — DATE OCT 23
DETAILED BY



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TP	6	32TIP - 57'-7"	ST20'P
BRIDGING TRUSSES	[illegible]		24T[illegible] - 19' [illegible]	B[illegible]
	T12	3	24T12 - 19'-11"	BT212
[illegible] ANGLE	A1	5	[illegible] x 2" x ¼" x 9'-1"	ST 403
	A2	4	3 x 2 x ¼ x 5'-1⅛"	ST 403
	A3	2	3 x 2 x ¼ x 5'-¾"	ST 403
DIAGONAL FLATS	F1	6	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] - 3"	ST 400
COVER PLATES	A	3	9 x 0.35 x 13'-11½"	ST303
	B	6	9" x 0.35" x 15'-2"	ST303
	C	3	9" x 0.35" x 13'-2½"	ST303
ANGLE CLIPS	[illegible]	21	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-8⅞"	ST298
	DUS-[illegible]	[illegible]	3½" x 3½" x ⅜" x 3'-8⅞"	ST298
CONNECTION BAR	CB1	4	1" [illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4 x 1½" x 1¼" x 230 x 6'-6½"	BT212 CD204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF. DRWG.

AB4-A31	7-3-68
AB4-15,16 & 39	7-22-68
AB4-41	7-22-68
SA-4	10-11-68
AB3	7-3-68
[illegible]	7-22-68
[illegible]	7-22-68
AB4-42	10-22-68

BLDG A FLOOR 74 (N)

PANEL CRIP 20'-0" x 57'-7"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. AB3 B 7-22-68 PLATE

APPROVED FOR FABRICATION James White FOR PONYA DATE 11/1/68

DRAWN BY [illegible] DATE OCT. 23, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

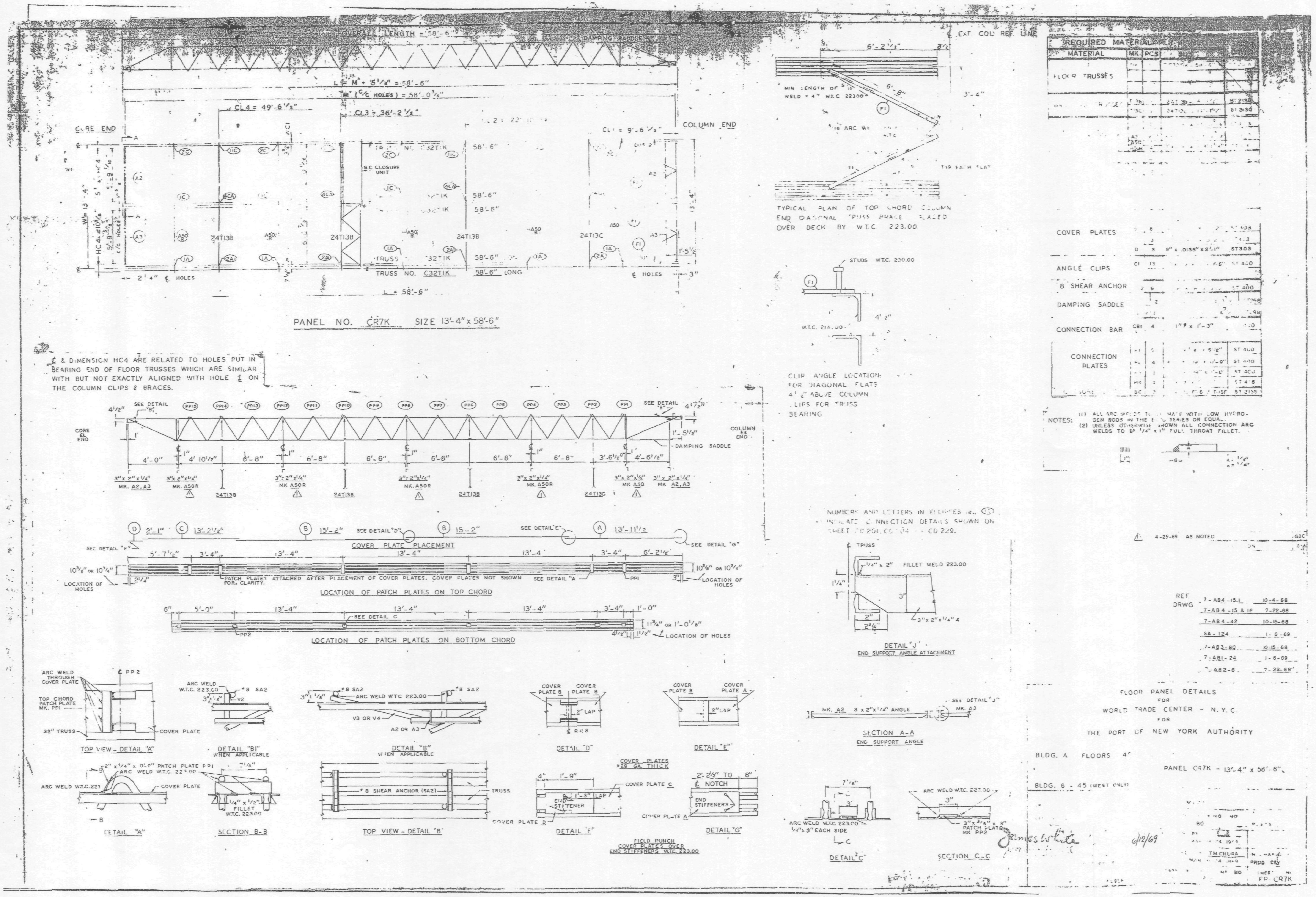
CHECKED BY T.M. CHURA DATE OCT. 23, 1968

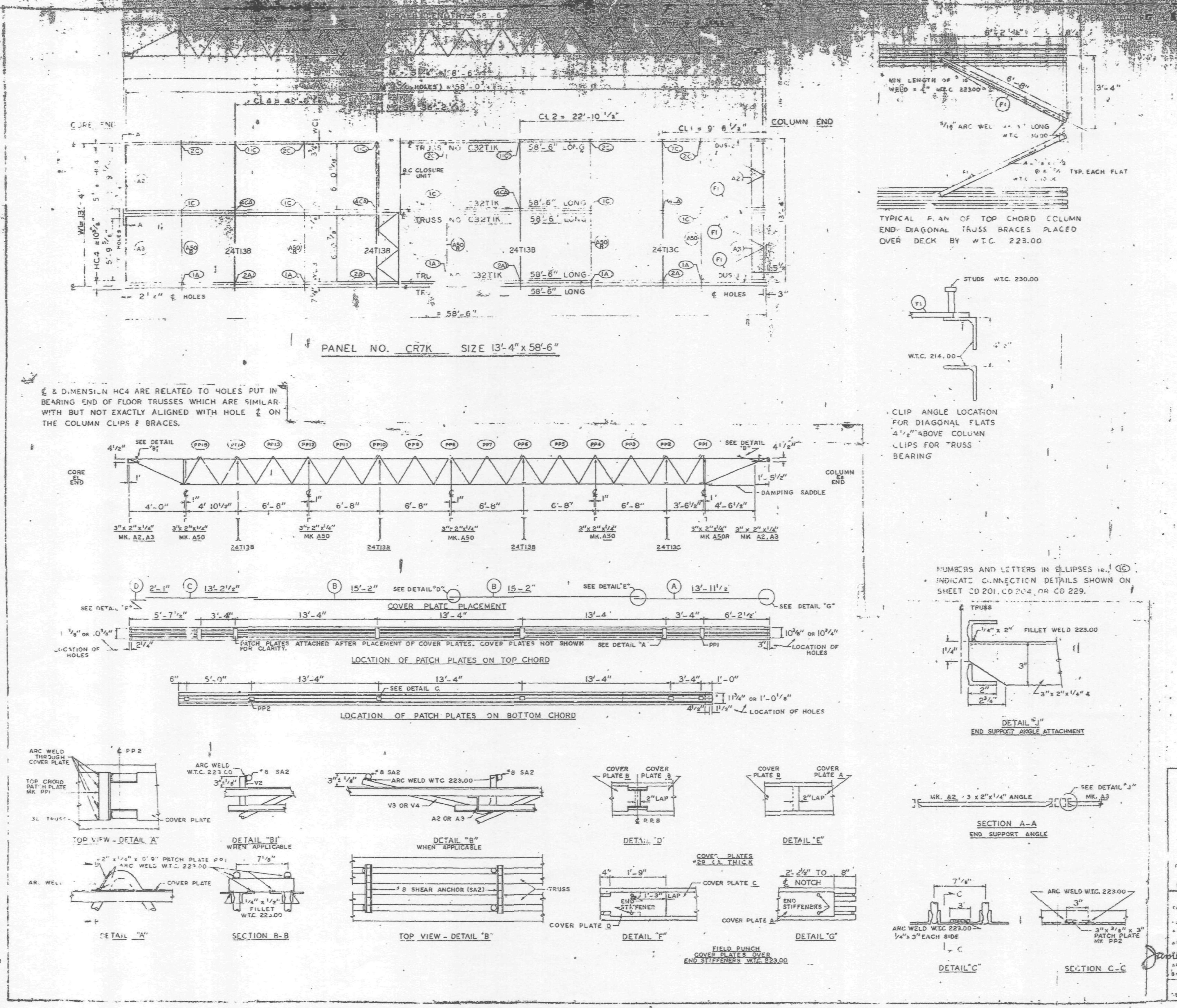
IN CHARGE OF PROD. DEV.

DETAILED BY [illegible] WEBER

FABRICATION CONT. NO. [illegible] 231

SHEET NO. FP CRIP


OVERALL LENGTH = 58'-6"
DAMPING SADDLE
L = M + 5 1/4" = 58'-6"
(C/C HOLES) = 58'-0 3/4"
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
CORE END
COLUMN END
TRUSS NO. C32T1K 58'-6" LONG
L = 58'-6"
PANEL NO. CR7K SIZE 13'-4" x 58'-6"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACE PLACED OVER DECK BY W.T.C. 223.00
MIN LENGTH OF WELD = 4" W.T.C. 22300
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
REQUIRED MATERIAL
MATERIAL MK PCS SIZE
FLOOR TRUSSES
COVER PLATES
ANGLE CLIPS
B SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
SEE DETAIL "B1"
SEE DETAIL "B"
DAMPING SADDLE
MK. A2, A3
MK. A50R
24T13B
24T13C
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
SEE DETAIL "F"
SEE DETAIL "G"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
NUMBERS AND LETTERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET FD 201, CD 164 - CD 229.
4-25-69 AS NOTED
FILLET WELD 223.00
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
REF. DRWG
7-AB4-15.1 10-4-68
7-AB4-15 & 18 7-22-68
7-AB4-42 10-15-68
SA-124 1-6-69
7-AB3-80 10-15-68
7-AB1-24 1-6-69
7-AB2-8 7-22-68
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
MK. A2 3 x 2" x 1/4" ANGLE
SECTION A-A
END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
B SHEAR ANCHOR (SA2)
COVER PLATES #29 GA. THICK
DETAIL "F"
DETAIL "G"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
DETAIL "C"
SECTION C-C
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 45
PANEL CR7K - 13'-4" x 58'-6"
BLDG. B - 45 (WEST ONLY)
6/12/69
T.M. CHURA
PROD. DRY
FP-CR7K



MATERIAL	MK.	NO.	DESCRIPTION	SPEC.
FLOOR TRUSSES	[illegible]	[illegible]	C32T1K - 58'-6"	ST 201K
BRIDGING TRUSSES	[illegible]	3	24T13B - 14'-1 1/2"	[illegible]
	T13C	1	24T13C - 14'-1 1/2"	[illegible]
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A3	2	3" x 2" x 1/4" x 5'-[illegible]	ST 403
	A50 / A50R	4	3" x 2" x 1/4" x 14'-[illegible] 1/4"	ST 403
[illegible] FLATS	F1	4	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	[illegible]
	PP2	16	[illegible]	[illegible]
COVER PLATES	[illegible]	3	[illegible]	[illegible]
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	13	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	[illegible] REBAR [illegible]	ST 400
DAMPING SADDLE	DS-1	2	[illegible]	[illegible]298
	DS-2	1	[illegible]	[illegible]298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	9	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P14	4	3" x 1/2" x 0'-11"	ST 416
CLOSURE UNIT	BC	3	1 1/4" ☐ 6'-6 1/2" TUBE	BT 213B

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO	DATE	REVISION	BY

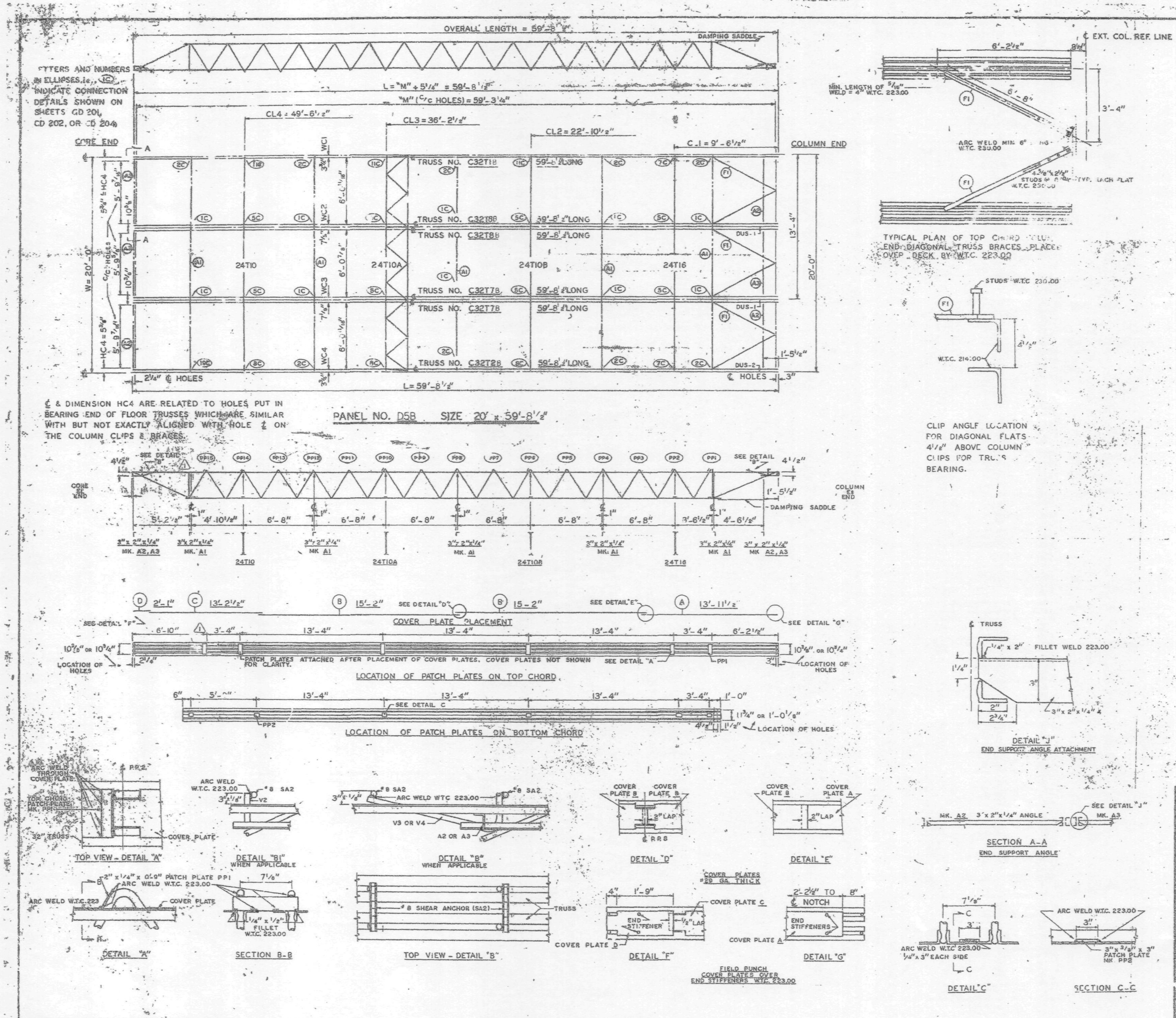
REF. DRWG

7-AB4-15.1	10-4-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-80	10-15-68
7-AB1-24	1-6-69
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A, FLOORS 45 [illegible]
PANEL CR7K - 13'-4" x 58'-6"
BLDG. B - 45 (WEST ONLY)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB[illegible] 80 PLATE
APPROVED FOR FABRICATION FOR PONYA James White DATE 4/22/69
DRAWN BY [illegible] DATE MARCH 24, 1969
APPROVED FOR FABRICATION BY [illegible] FABRICATOR LACLEDE STEEL CO. DATE
CHECKED BY J.B. PAUL DATE MARCH 24, 1969
IN CHARGE OF PROD. [illegible]
DETAILED BY [illegible] WEBER
FABRICATION CONT. NO. 221
SHEET NO. FP-CR7K



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T18	1	C32T18 – 59'-8 1/2"	ST 2018
	T28	1	C32T28 – 59'-8 1/2"	ST 202B
	T7B	2	C32T7B – 59'-8 1/2"	ST 207B
	T8B	2	C32T8B – 59'-8 1/2"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 – 19'-11"	ST 210
	T10A	1	24T10A – 19'-11"	ST 210A
	T10B	1	24T10B – 19'-11"	ST 210B
	T16	1	24T16 – 19'-11"	ST 216
3"x 2"x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	15	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	3-11-69	AS NOTED	G.D.C.

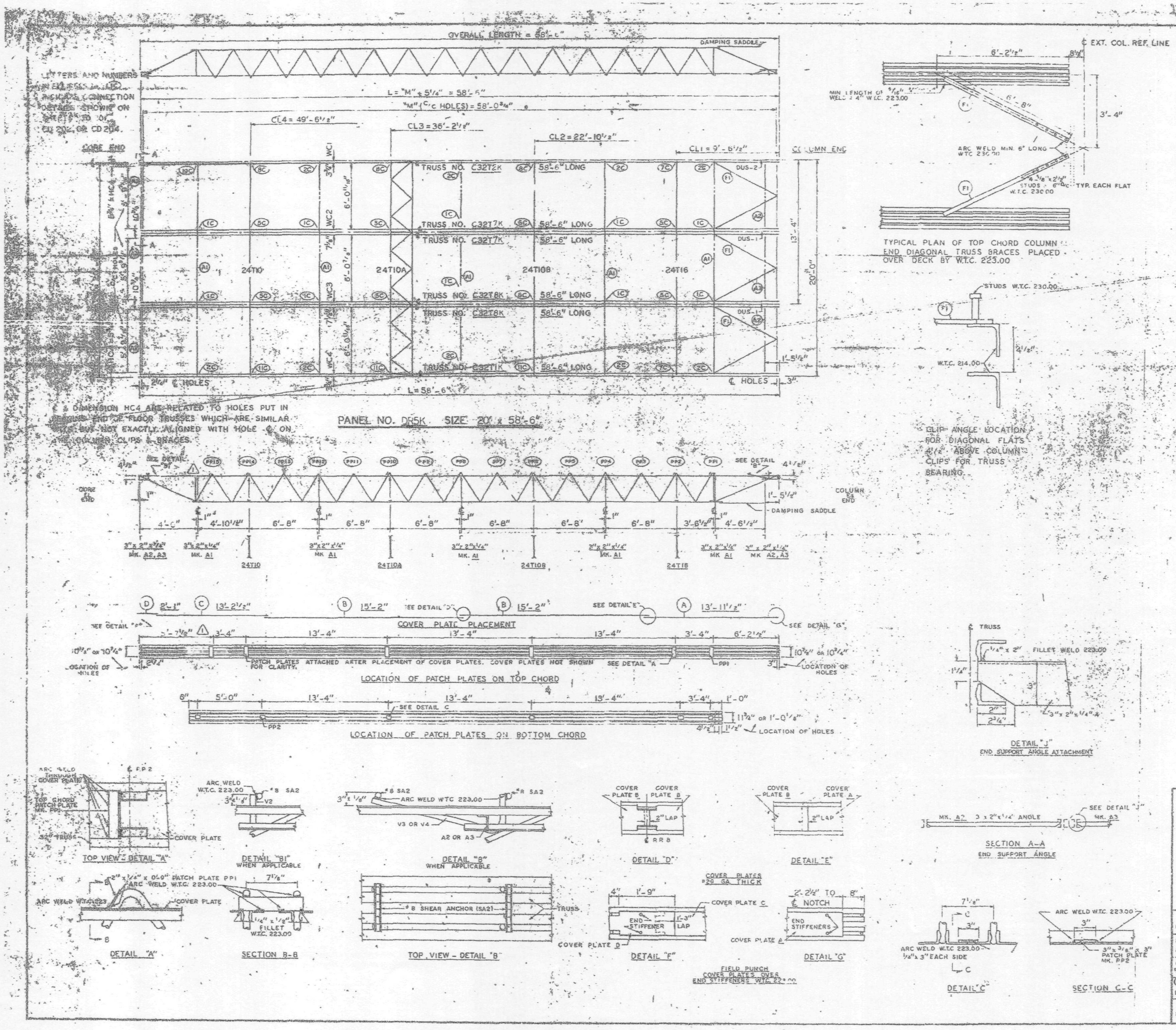
REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83 (NORTH)
PANEL D5B – 20' x 59'-8 1/2"
BLDG. B FLOORS 83 (WEST) (2)

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-71
PLATE
APPROVED FOR FABRICATION BY: James White FOR P.O.N.Y.A. DATE 1/2/70
DRAWN BY: gdc DATE JAN 14, 1969
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
CHECKED BY: T.M. CHURA DATE JAN 14, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP D5B



REQUIRED MATERIAL PER PANEL				[illegible]
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	[illegible]
	T2K	1	C32T2K - 58'-6"	[illegible]
	T7K	2	C32T7K - 58'-6"	[illegible]
	T8K	2	C32T8K - 58'-6"	[illegible]
BRIDGING TRUSSES	T10	1	24T10 - [illegible]	[illegible]
	T10A	1	24T10A - [illegible]	[illegible]
	T10B	1	24T10B - [illegible]	[illegible]
	T16	1	24T16 - [illegible]	[illegible]
3" x 2" x 1/4" ANGLE	A1	5	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A3	2	[illegible]	[illegible]
DIAGONAL FLATS	F1	8	[illegible]	[illegible]
PATCH PLATES	PP1	18	[illegible]	[illegible]
	PP2	18	3" x 3/8" x 0'-3"	[illegible]
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	9" x .0135" x 15'-2"	[illegible]
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	# 8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" Ø x 1 - 3"	ST 400
	CB4	8	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

a = 1/4"
b = 1/4"

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	3-11-69	AS NOTED	G.D.C.

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 & 46 (SOUTH)

PANEL DETAIL 20' x 58'-6"

BLDG. B FLOORS 45 & 46 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY James White FOR PONYA — DATE 1/2/70

APPROVED FOR FABRICATION BY: [illegible] FOR FABRICATOR — DATE

DETAILED BY A. CARL WEBER

DESIGN DRAWING NO. 7-AB2 #2 4-15-68

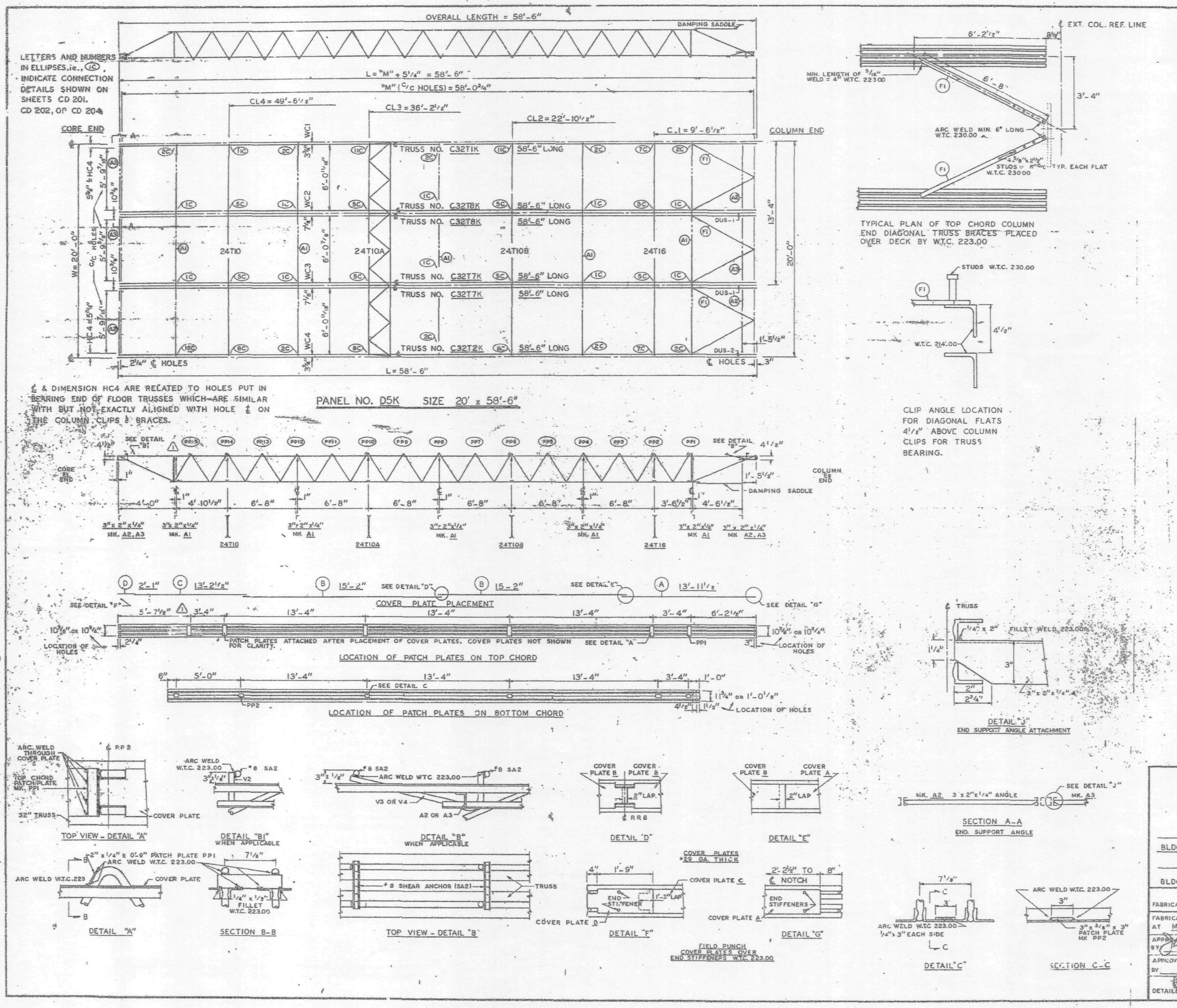
DRAWN BY gdc DATE JAN. 14, 1969

CHECKED BY: T.M.CHURA DATE JAN. 14, 1969

FABRICATION CONT. NO. W.T.C. 221

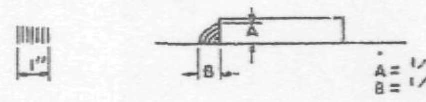
IN CHARGE OF PROD. DEV.

SHEET NO. FP DR5K



REQUIRED MATERIAL PER PANEL				REF DRWGS.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A3	2	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	C	3	9"x .0135"x 13'-2 1/2"	ST 303
	D	3	9"x .0135"x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1 1/2"x 1/4"x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 8 1/2"	ST 400
	P2	1	4 1/2"x .38"x 0'-9"	ST 400
	P3	1	4 1/2"x .39"x 1'-0"	ST 400
	P4	3	6 1/2"x 1/2"x 0'-8"	ST 400
	P8	1	4 1/2"x .39"x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C
1	3-11-69	AS NOTED	G.D.C

REF. DRWGS.

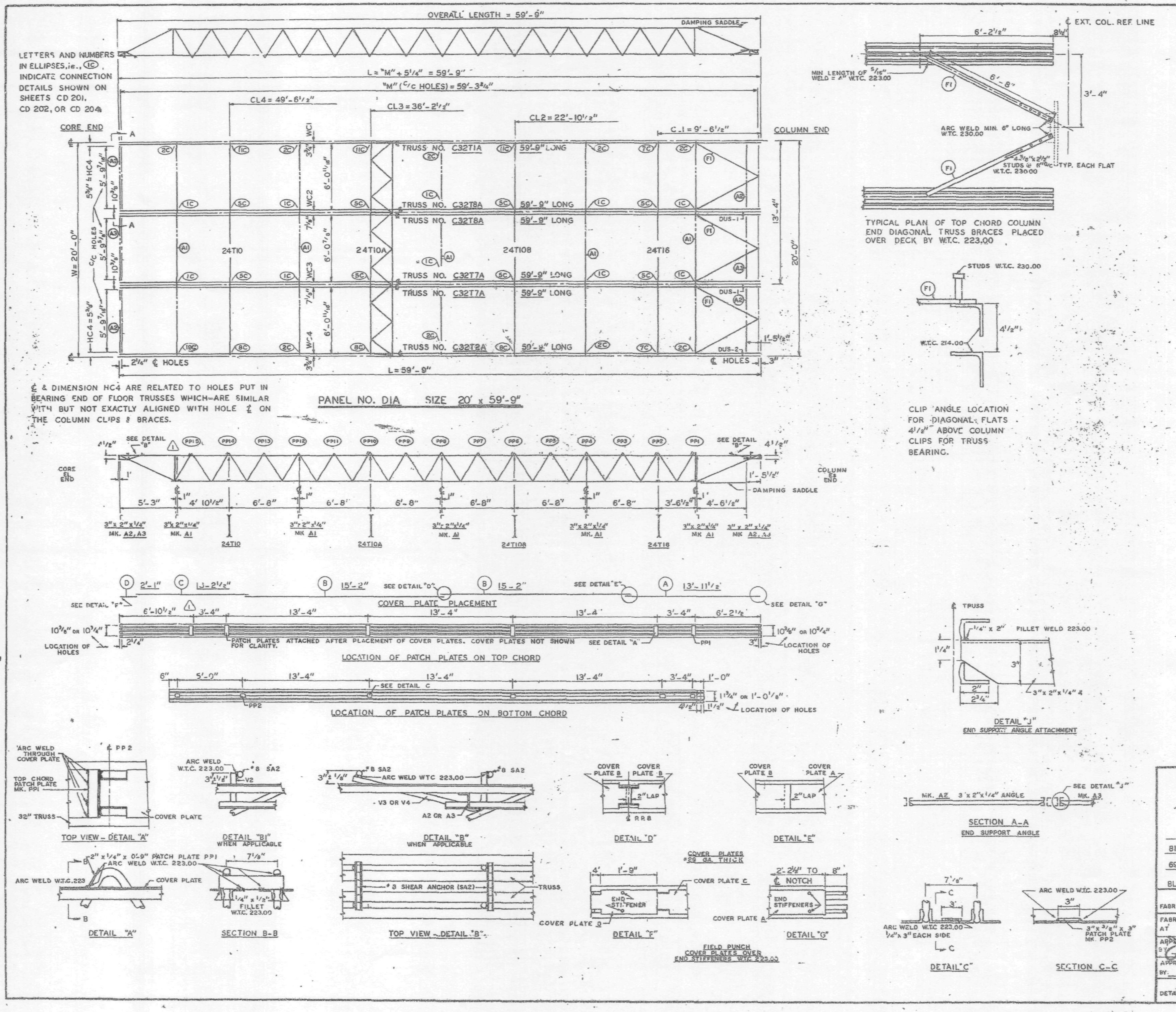
7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SC-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)
PANEL D5K 20' x 58'-6"
BLDG. B FLOORS 45 (EAST & WEST) 46 (EAST) (2)

FABRICATION BY. LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY James White P.N.Y.A.	DATE 1/2/70	DRAWN BY gdc DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY T.M.CHURA DATE JAN 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO FP D5K



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1A	1	C32T1A - 59'-9"	ST 201A
	T2A	1	C32T2A - 59'-9"	ST 202A
	T7A	2	C32T7A - 59'-9"	ST 207A
	T8A	2	C32T8A - 59'-9"	ST 208A
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1 3/4"	ST 403
DIAGONAL FLATS	F1	8	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	# 8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

1	6-10-69	AS NOTED		G.D.C.
BY	DATE	REVISION		BY

REF. DRWGS.

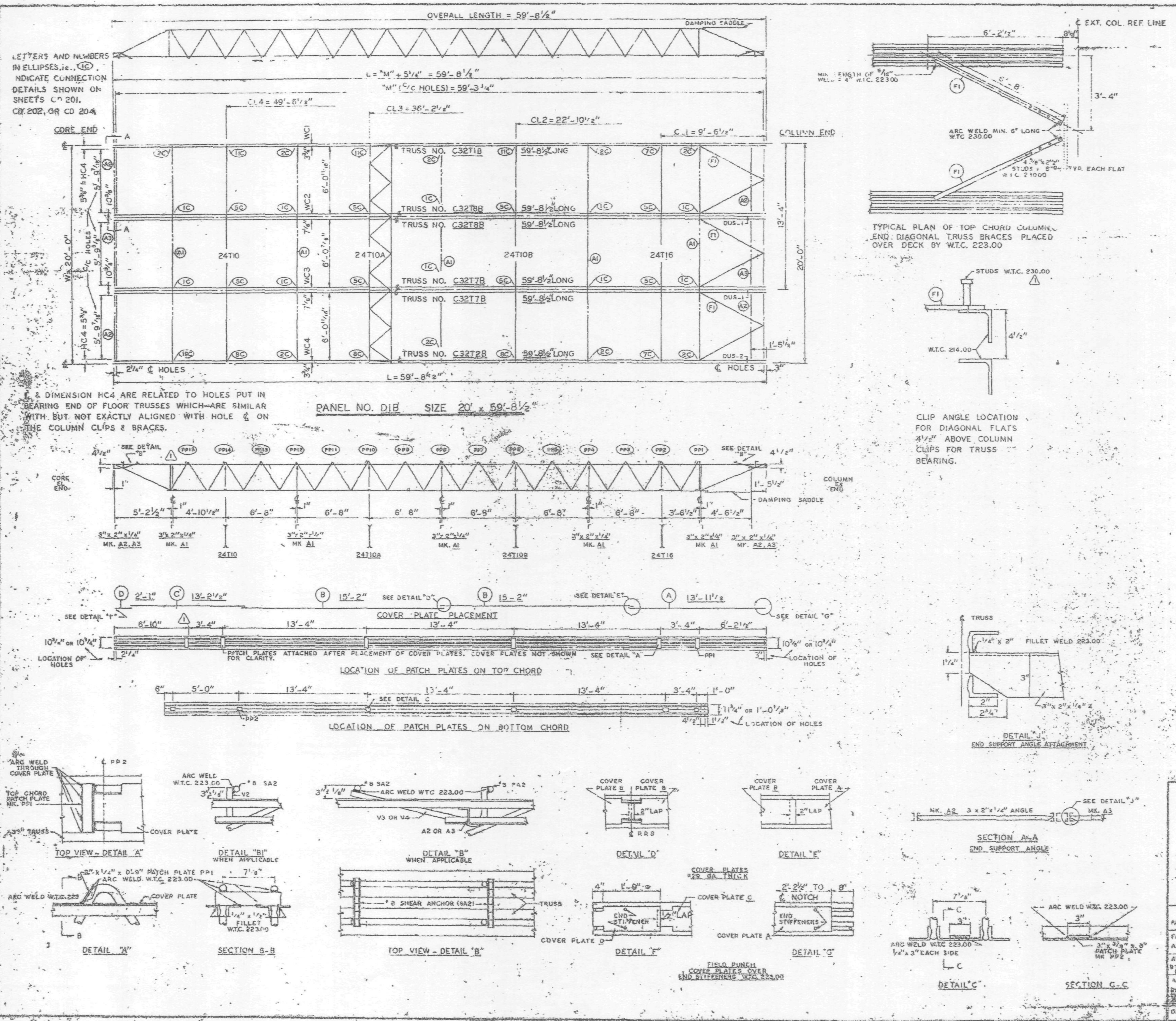
7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-68
7-AB4-39	7-22-68
7-AB4-15 & 16	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-6-69
7-AB1-2,3 & 4	7-22-68
7-AB1-3,4 & 5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 4[illegible]-58, 60-66, 68, 69 (NORTH) PANEL [illegible] = [illegible]' x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST)

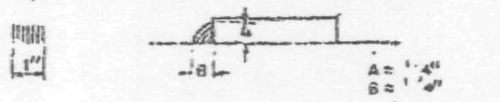
FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9 4-15-68
PLATE
APPROVED FOR FABRICATION BY James [illegible] P.N.Y.A. DATE 1/2/70
DRAWN BY: g.d.c. DATE JULY 22, 1968
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
CHECKED BY: T.M.CHURA DATE JULY 22, 1968
IN CHARGE OF PROD. DEV.
DETAILED [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP D1A



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS.	SIZE	[illegible]
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8 1/2"	ST [illegible] B
	T2B	1	C32T2B - 59'-8 1/2"	ST [illegible]B
	T7B	2	C32T7B - 59'-8 1/2"	ST [illegible]7B
	T8B	2	C32T8B - 59'-8 1/2"	ST [illegible]8B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
DIAGONAL FLATS	F1	[illegible]	1 1/2" x 5/8" x 3'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 1/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135" x 13'-11 1/2"	ST 303
	B	6	9" x 0.135" x 15'-2"	ST 303
	C	3	9" x 0.135" x 13'-2 1/8"	ST 303
	D	3	9" x 0.135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-0 7/8"	ST 298
CONNECTION BAR	CB1	4	1" φ x 1 - 3"	ST 400
	CB4	[illegible]	1" φ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

(1) REF. DRWGS.

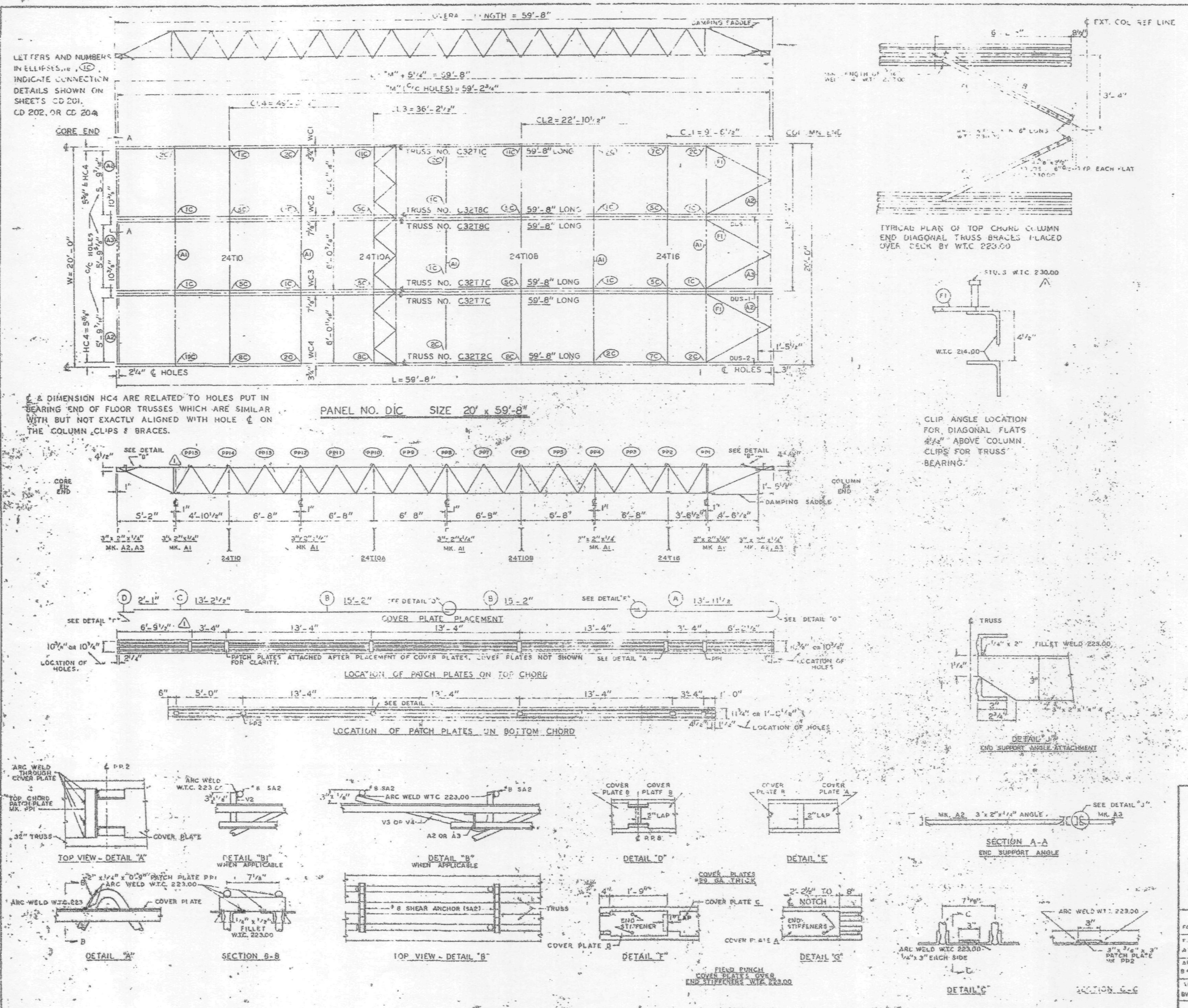
7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-68
7-AB4-3,1	1-3-68
7-AB4-15, 16 & 30	7-22-68
7-AB4 42 & 3	10-15-68
SC-124	1-6-69
7-AB1-2, 3 & 4	7-22-68
7-AB1-5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 84-91, 93-106 (N)
PANEL D1B - 20' x 59'-8 1/2"
BLDG. B FLOORS 84-91, 93-106 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-9	
APPROVED FOR FABRICATION BY James White FOR P.N.Y.A.	DATE 1/2/70	DRAWN BY ads DATE OCT 24, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR [redacted]	DATE	CHECKED BY T.M. CHURA DATE OCT 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER		FABRICATION CONT. NO WTC 221	SHEET NO FP-D1B



Material	Mk.	No.	Size	Ref.
Floor trusses	[illegible]C	[illegible]	[illegible]TIC 59'-8"	ST 2[illegible]C
	[illegible]C	[illegible]	C32[illegible]C 59'-8"	ST 2[illegible]C
	[illegible]C	2	C32[illegible]C 59'-8"	[illegible]
	18C	2	C32T8C 59'-8	ST 2[illegible]C
Bridging trusses	T10	1	24T10 - 19'-11"	ST [illegible]
	T10A	1	24T10A - 19'-11"	ST 2[illegible]A
	T10B	1	24T10B - 19'-11"	ST 2[illegible]B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" angles	A1	5	3" x 2" x 1/4" x 19'-11"	ST 4[illegible]
	A2	4	3" x 2" x 1/4" x 5'-1 7/8"	ST 4[illegible]
	A3	2	3" x 2" x 1/4" x 5'-1 7/8"	ST 4[illegible]
Diagonal [illegible]	F1	6	[illegible] 2" x 3/16" x 6'-8"	[illegible]
Patch plates	PP1	18	2" x 1/4" x 0'-3"	ST [illegible]
	PP2	6	3" x 3/8" x 0'-3"	ST [illegible]
Cover plates	A	3	8" x .0135" x 13'-11 1/2"	ST [illegible]
	B	[illegible]	[illegible] x 15'-2"	ST [illegible]
	C	3	8" x .0135" x 13'-2 1/2"	ST 303
	D	3	8" x .0135" x 2'-1"	ST 303
Angle clips	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 shear anchor	SA2	12	#8 REBAR x 0'-9"	ST 400
Damping saddle	DUS-1	2	3 1/2" x 3 1/2" x 1/4" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
Connection bar	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
Connection plates	[illegible]	4	[illegible] x 3/8" x [illegible] 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	G.D.C.

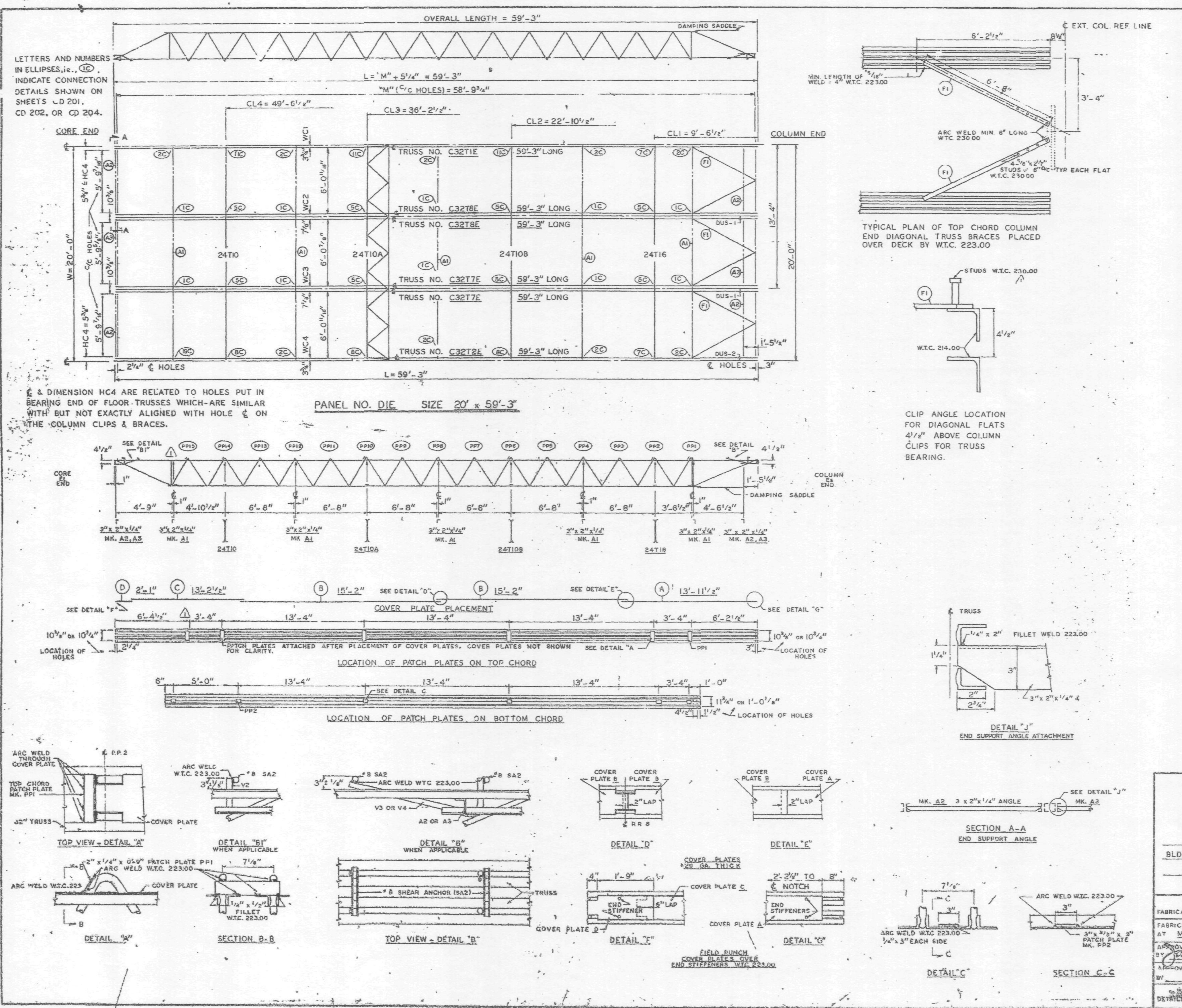
(1) REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-68
7-AB4-31	1-3-69
7-AB4-15, 16 & 34	7-22-68
7-AB4-42 & 3	10-15-68
SC-124	1-6-69
7-AB1-2, 3 & 4	7-22-68
7-AB1-5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 50-58, 60-66, 68-74, 79-91 & C-106 (S)
PANEL NO. [illegible] - 59'-8"
BLDG. B FLOORS 50-58, 60-74, 79-91 & 93-106 [illegible] (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9
PLATE
APPROVED FOR FABRICATION BY James White [illegible] DATE 1/2/70
DRAWN BY G.D.C. DATE OCT. 24, 1968
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE
CHECKED BY [illegible] DATE OCT. 24, 1968
IN CHARGE OF [illegible]
DETAILED BY A. CARL WEBER
FABRICATION CONT. NO. WTC 221
SHEET NO. FP D1C-[illegible]



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-[illegible]	ST [illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-[illegible]"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	5-9-69	AS NOTED	G.D.C.

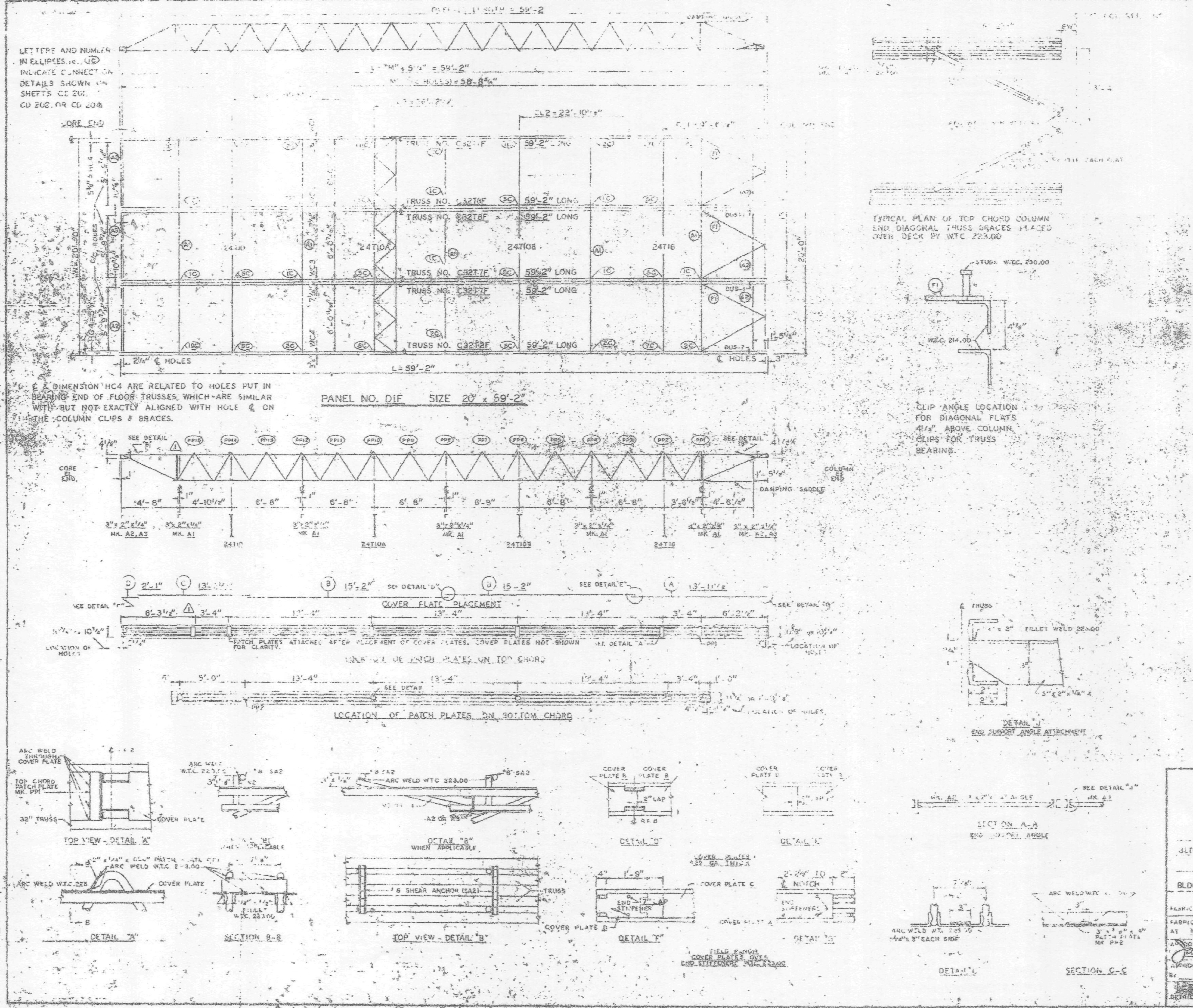
REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-68
7-AB4-3.1	1-3-68
7-AB4-15 & 16,39	7-22-68
7-AB4-3 & 42	10-15-68
SA-124	1-6-69
7-AB1-2,3 & 4	7-22-68
7-AB1-3,4 & 5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH & SOUTH)
PANEL DIE 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9 4-15-68
PLATE
APPROVED FOR FABRICATION BY James White DATE 1/2/70
DRAWN BY gdc DATE JULY 22, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE JULY 22, 1968
IN CHARGE OF PROG. DEV.
DETAILED BY CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP DIE



MATERIAL	MK.	NO.	SIZE	REF.
[illegible]	F	[illegible]	[illegible] F - 59' 2"	ST 20[illegible]F
	F	[illegible]	32 [illegible] F - 59' 2"	ST 202F
	F	[illegible]	[illegible] F - 59' 2"	ST 207F
	F	[illegible]	32 [illegible] F - 59' 2"	ST 208F
[illegible]	[illegible]	1	24 [illegible]	ST 210
	[illegible]	1	24 [illegible]	ST [illegible]
	[illegible]	[illegible]	24 [illegible]	ST [illegible]
	[illegible]	[illegible]	24 [illegible]	ST [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	3" x [illegible]	ST 40[illegible]
	[illegible]	[illegible]	3" x 2" [illegible]	ST 40[illegible]
[illegible]	[illegible]	[illegible]	[illegible] x 8'-8"	ST 402
[illegible]	[illegible]	[illegible]	2" [illegible] x 0'-9"	ST 40[illegible]
	[illegible]	[illegible]	3" x [illegible] x 0'-3"	[illegible]
COVER PLATES	[illegible]	[illegible]	[illegible]	ST [illegible]
	B	3	9" x 0.135" x 15'-2"	ST 303
	C	3	9" x 0.135" x 13'-2 1/2"	ST 303
	D	3	9" x 0.135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DS1	2	3 1/2" x 3 1/2" x [illegible] x 3'-6"	ST 288
	DS2	1	3 1/2" x 3 1/2" x [illegible] x 3'-8"	ST 288
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
	CB4	8	[illegible] x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x [illegible] x 6 1/2"	ST 400
	P2	[illegible]	4 1/2" x .39" x 0'-9"	ST 400
	P3	[illegible]	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x [illegible] x 0'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	G.D.C.

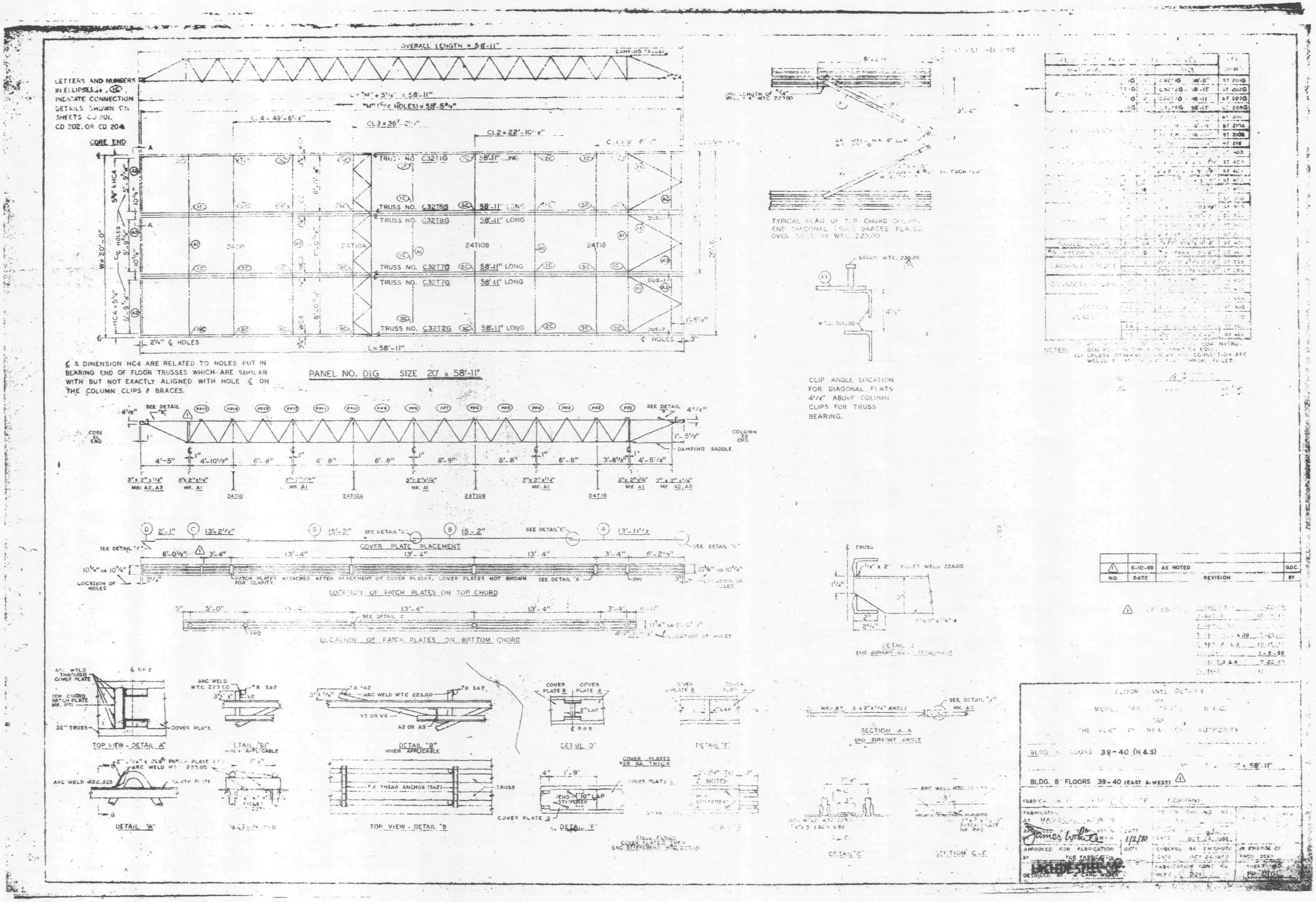
REF. DRWGS.

7-A82-5 & 11	7-22-68
A83-6	10-15-68
7-A85-3[illegible]	[illegible]
7-A84-15,16 & 39.	7-22-68
7-A9A-42 & 3	10-15-68
[illegible]-124	1-6-69
[illegible]-2,3 & 4	7-22-68
[illegible]-5	10-15-68

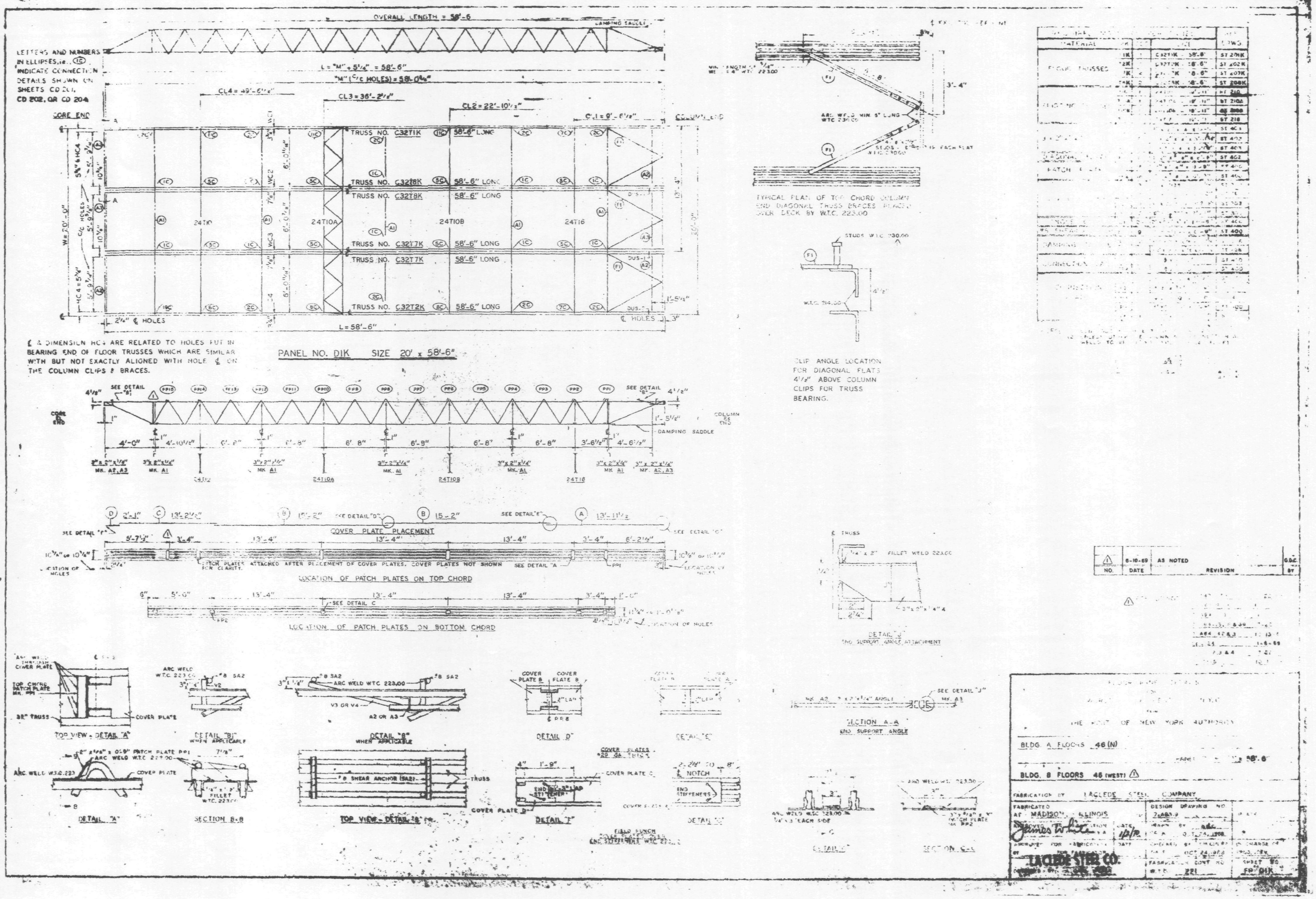
FLOOR PANEL DETAILS (?)
FOR
WORLD TRADE CENTER (?)
[illegible]
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47-48, 70-71 (N)
PANEL D1F 20' x 59'-2"
BLDG. B FLOORS 47-48, 70-71 (WEST)

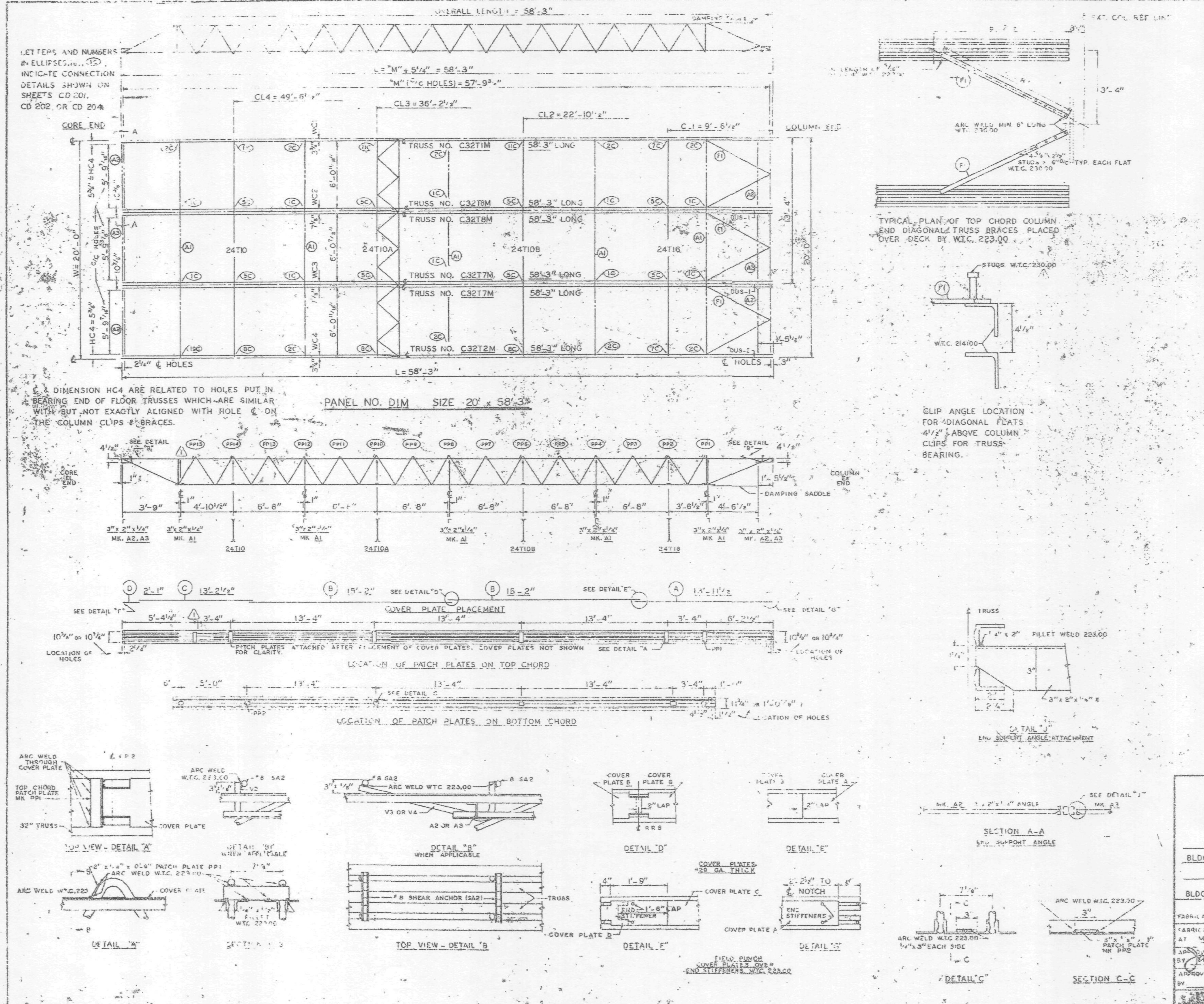
FABRICATED BY [illegible] COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION: James White — DATE 1/9/70
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR — DATE
DESIGN DRAWING NO. 7-A83-0
DRAWN BY: adc — DATE: OCT. 24, 1968
CHECKED BY: T.M. CHURA — DATE: OCT. 24, 1968
IN CHARGE OF PROJ. DEV.
FABRICATION CONT. NO. WTC 221
SHEET NO. FP-D1F
DETAILED BY [illegible]



OVERALL LENGTH = 58'-11"
LETTERS AND NUMBERS IN ELLIPSES ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
CORE END
"M" (C/C HOLES) = 58'-5 3/4"
CL 4 = 49'-6 1/2"
CL 3 = 36'-2 1/2"
CL 2 = 22'-10 1/2"
TRUSS NO. C32T1G 58'-11" LONG
TRUSS NO. C32T8G 58'-11" LONG
TRUSS NO. C32T8G 58'-11" LONG
TRUSS NO. C32T7G 58'-11" LONG
TRUSS NO. C32T7G 58'-11" LONG
TRUSS NO. C32T2G 58'-11" LONG
24T10
24T10A
24T10B
24T16
W = 20'-0"
L = 58'-11"
2 1/4" ℄ HOLES
℄ HOLES
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D1G SIZE 20' x 58'-11"
SEE DETAIL "B"
DAMPING SADDLE
COLUMN END
CORE END
4'-5" 4'-10 1/2" 6'-8" 6'-8" 6'-8" 6'-9" 6'-8" 6'-8" 3'-6 1/2" 4'-6 1/2"
3" x 2" x 1/4" MK. A2, A3
3" x 2" x 1/4" MK. A1
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "C"
SECTION C-C
COVER PLATES #28 GA. THICK
1 | 6-10-69 | AS NOTED
NO. | DATE | REVISION | BY
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER N.Y.C. THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 39-40 (N & S)
20' x 58'-11"
BLDG. B FLOORS 39-40 (EAST & WEST)
FABRICATED AT MADISON, ILLINOIS
DATE OCT 24, 1968
CHECKED BY T.M.CHURR DATE OCT 24, 1968
APPROVED FOR FABRICATION
DATE 1/2/70
DETAILED BY
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP D1G



OVERALL LENGTH = 58'-6
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204.
L = "M" + 5¼" = 58'-6"
"M" (C/C HOLES) = 58'-0¼"
CL4 = 49'-6½"
CL3 = 36'-2½"
CL2 = 22'-10½"
CL1 = 9'-6½"
CORE END
COLUMN END
TRUSS NO. C32T1K 58'-6" LONG
TRUSS NO. C32T8K 58'-6" LONG
TRUSS NO. C32T8K 58'-6" LONG
TRUSS NO. C32T7K 58'-6" LONG
TRUSS NO. C32T7K 58'-6" LONG
TRUSS NO. C32T2K 58'-6" LONG
24T10
24T10A
24T10B
24T16
L = 58'-6"
℄ A DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D1K SIZE 20' x 58'-6"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH
1 6-10-69 AS NOTED
NO. DATE REVISION
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 46 (N)
BLDG. B FLOORS 46 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
LACLEDE STEEL CO.
FP-D1K



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS	SIZE	DWG.
FLOOR TRUSSES	T1M	1	C32T1M - 58'-3"	ST 201M
	T2M	1	C32T2M - 58'-3"	ST 202M
	T7M	2	C32T7M - 58'-3"	ST 207M
	T8M	2	C32T8M - 58'-3"	ST 208M
BRIDGING TRUSSES	T10	1	24T10 - 9'-11"	BT 210
	T10A	1	24T10A - 18'-11"	BT 210A
	T10B	1	24T10B - 9'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x ¼" ANGLE	A1	[illegible]	[illegible]	ST 403
	A2	4	3"x 2"x ¼" x 5'-1 5/16"	ST 403
	A3	[illegible]	3"x 2"x ¼" x 5'-1 5/8"	ST 403
DIAGONAL FLATS	F1	8	1½" x 5/8" x 5'-6"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x 5/16" x 3'-6 7/8"	ST 298
	DUS-2	1	3½" x 3½" x 5/16" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x 5/8" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	G.D.C.

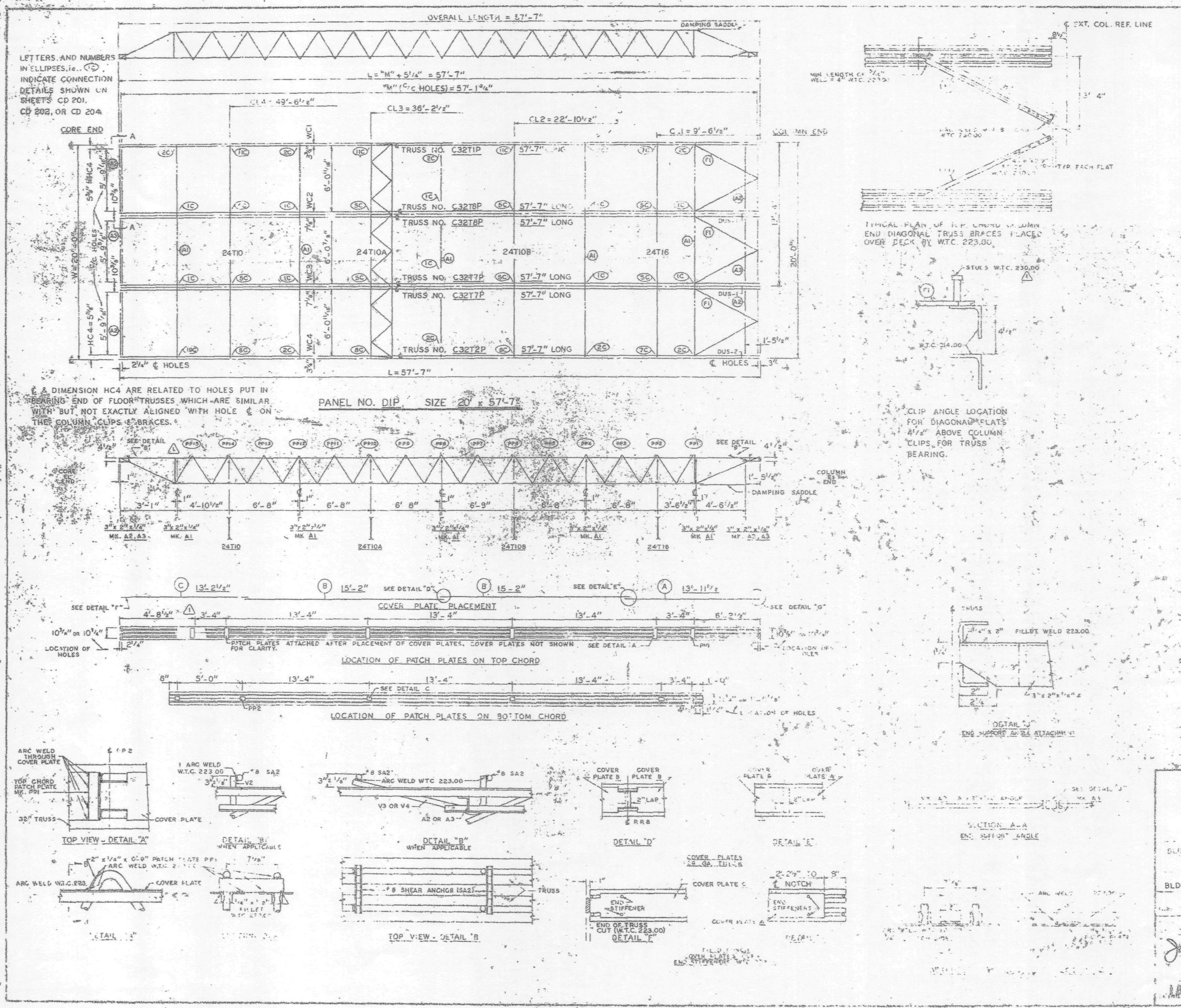
REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-5	10-15-68
7-AB4-30	7-22-68
7-AB4-15,16 & 39	7-22-68
7-AB4-42 & 3	10-15-68
SE-124	1-6-69
7-AB1-2,3 & 4	7-22-68
7-AB1-5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)
PANEL M 20' x 58'-3"
BLDG. B FLOORS 72-73 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB1 10-15-68
APPROVED FOR FABRICATION BY James Wohlebe[?] DATE 1/2/70
DRAWN BY G.D.C. DATE OCT 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M.CHURA DATE OCT. 24, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP DIM



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PC.	SIZE	
FLOOR TRUSSES	1P	1	[illegible] - 57'-7"	ST 201P
	2P	1	[illegible] - 57'-7"	ST 202P
	7P	2	C32T7P - 57'-7"	ST 207P
	8P	2	[illegible] - 57'-7"	ST 208P
[illegible] TRUSSES	[illegible]	[illegible]	[illegible]	ST 210
	T10A	1	[illegible] 19'-11"	ST 210A
	[illegible]	[illegible]	[illegible]	ST 210B
	T16	[illegible]	[illegible]	ST 216
[illegible]	[illegible]	[illegible]	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	[illegible]	[illegible]	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 405
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	ST 303
	[illegible]	[illegible]	[illegible]	[illegible]
COVER PLATES	C	3	9" x .0135" x 13'-7 1/2"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x [illegible]	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 1/2"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CBA	4	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	[illegible]	4	3 1/2" x 3/4" x 3'-6"	ST 400
	P2	1	4 1/2" x .30" x 1'-5"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x [illegible] 8"	ST 400
	P6	1	4 1/2" x .30" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

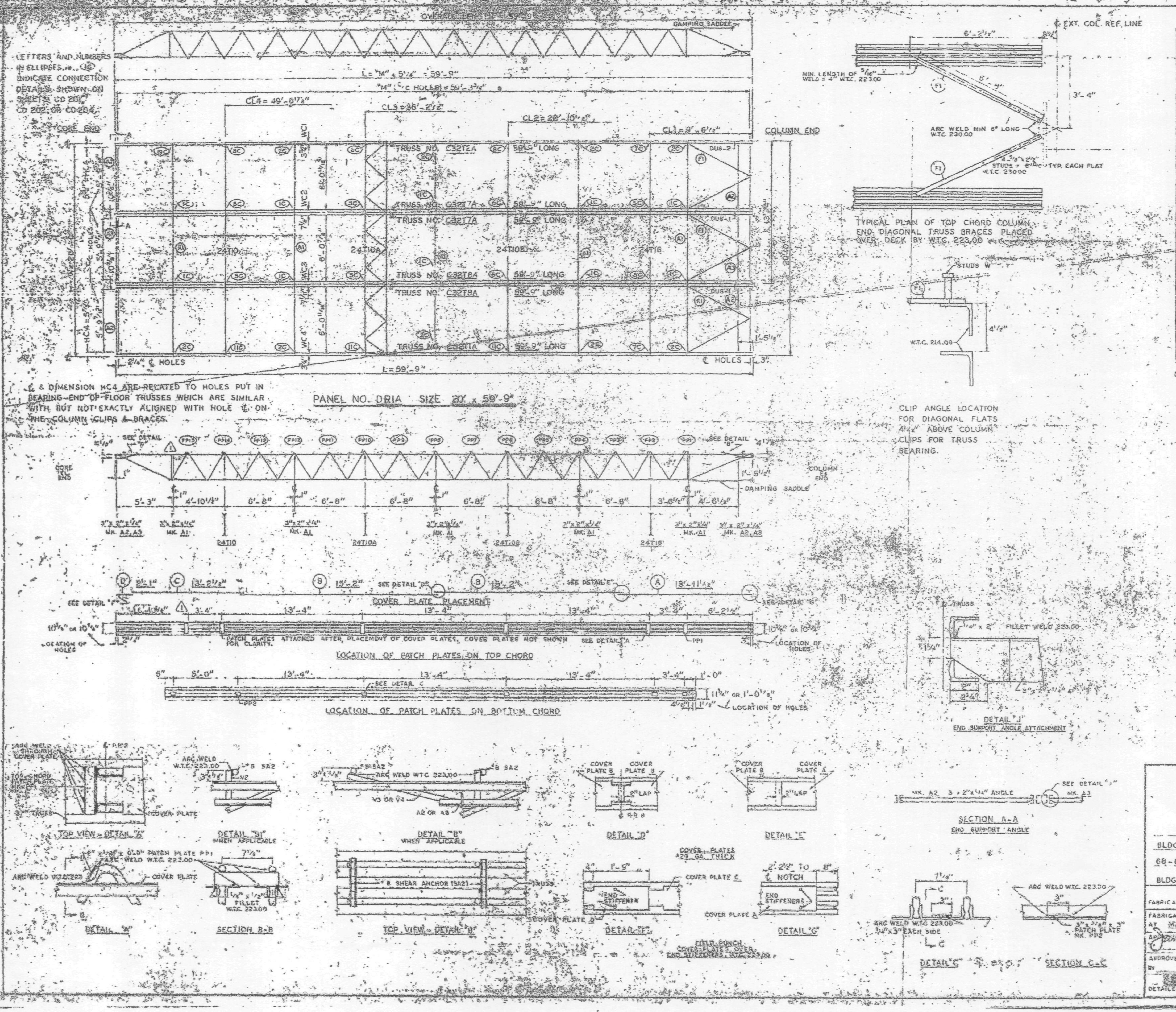
A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	G.D.C.

1 REF. DRWGS

7-AB2-5 & 11	7-22-68
7-AB3-8	10-15-68
7-AB4-31	[illegible] 3-68
7-AB4-15, 16 & 39	7-22-68
7-AB4-42 & 3	10-15-68
SC-124	1-6-69
7-AB1-2, 3 & 4	7-22-68
7-AB1-5	10-15-68

FLOOR PANEL DETAILS
WORLD TRADE CENTER, N.Y.C.
OF
PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 74 (N)
PANEL DIP 20' x 57'-7"
BLDG. B FLOORS 74 (WEST) 1
James White 1/2/70
OCT 24, 1968
FP DIP



REQUIRED MATERIAL PER PANEL			
MATERIAL	MK	PC	SIZE
FLOOR TRUSSES	T1A	1	C32T1A - 59'-9"
	T7A	1	C32T7A - 59'-9"
	T8A	[illegible]	C32T8A - 59'-9"
	T2A	2	C32T2A - 59'-9"
BRIDGING TRUSSES	T10	1	24T10 [illegible]
	T10A	[illegible]	24T10A [illegible]
	T10B	[illegible]	24T10B [illegible]
	T16	[illegible]	24T16 [illegible]
3" x 2" x ¼" ANGLE	A1	[illegible]	[illegible]
	A2	4	[illegible]
	A3	[illegible]	[illegible]
DIAGONAL FLATS	[illegible]	8	[illegible]
PATCH PLATES	PP1	18	[illegible]
	PP2	15	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11½"
	B	6	9" x .0135" x 15'-2"
	C	3	9" x .0135" x 13'-2½"
	D	3	9" x .0135" x 2'-1"
ANGLE CLIPS	CL	24	2" x 1½" x ¼" x 0'-3"
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-0⅝"
	DUS-2	1	3½" x 3½" x ⅜" x 3'-5½"
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"
	CB4	6	1" ⌀ x 0'-10"
CONNECTION PLATES	P1	4	3½" x ⅜" x 8½"
	P2	1	4½" x ⅜" x 0'-8"
	P3	1	4½" x ⅜" x [illegible] 0"
	P4	3	8½" x ½" x 0'-8"
	P6	1	4½" x ⅜" x 0'-8"

Last column (ST. NO.): ST 2[illegible], [illegible], [illegible], ST [illegible]A, [illegible], [illegible], [illegible] 2.0B, [illegible] 2.6, ST [illegible], ST [illegible], ST [illegible], ST [illegible], ST [illegible], ST [illegible], ST 303, ST 303, ST 303, ST 303, ST 400, ST 400, ST 208, ST 228, ST 400, ST 400, ST 400, ST 400, ST 400, ST 400, ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET

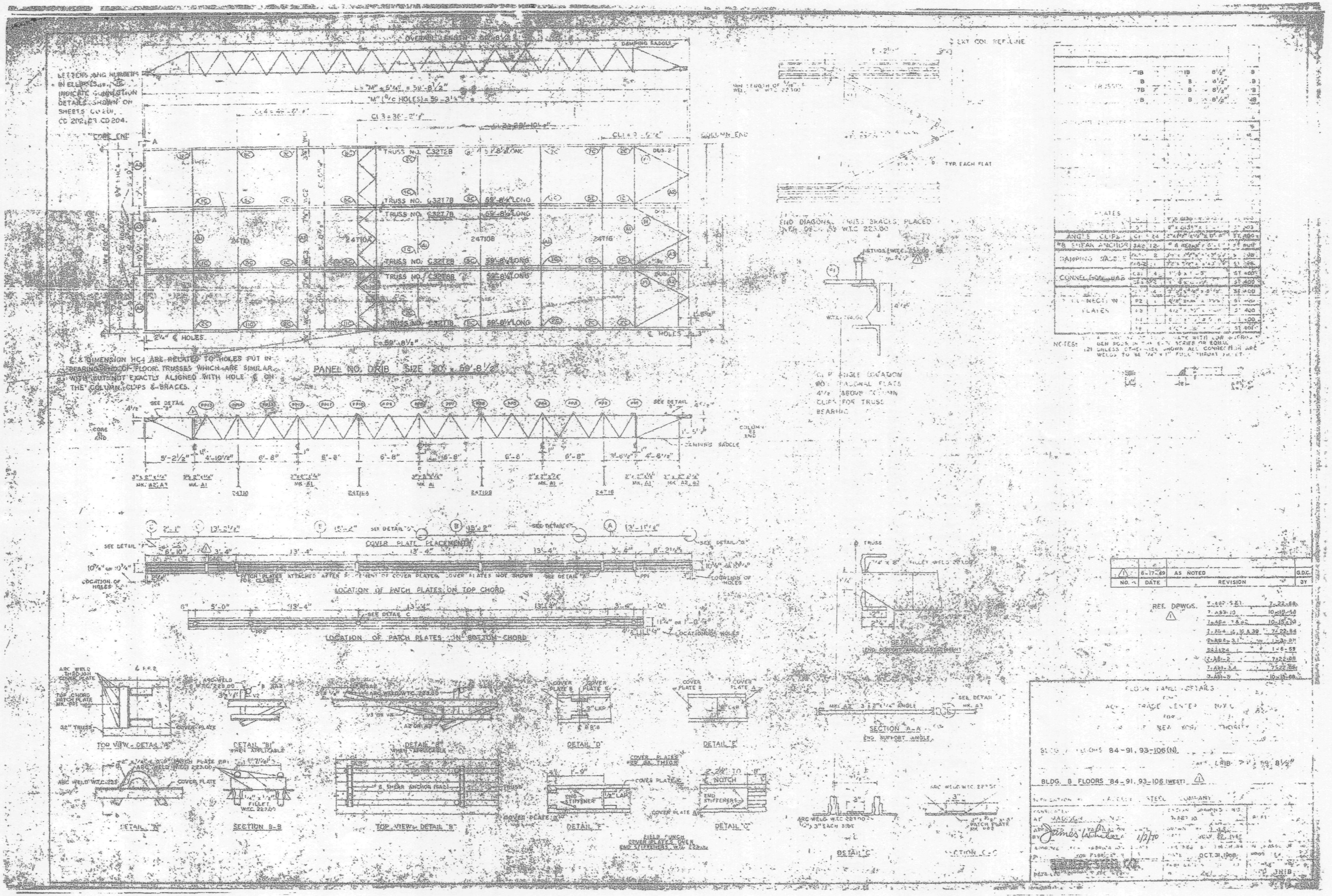
NO.	DATE	REVISION	
1	6-17-69	AS NOTED	B.O.C.

REF. DRWGS.
7-AB2-5 & 1 — 7-22-68
7-AB3-10 — 10-15-68
7-AB4 [illegible] — 1-3-68
7-AB4-15, 16 & 39 — 7-22-68
7-AB4-48 & 3 — 10-15-68
SA-124 — 1-8-69
7-AB1-2, 3 & 4 — 7-22-68
7-AB1-[illegible] — 10-15-68

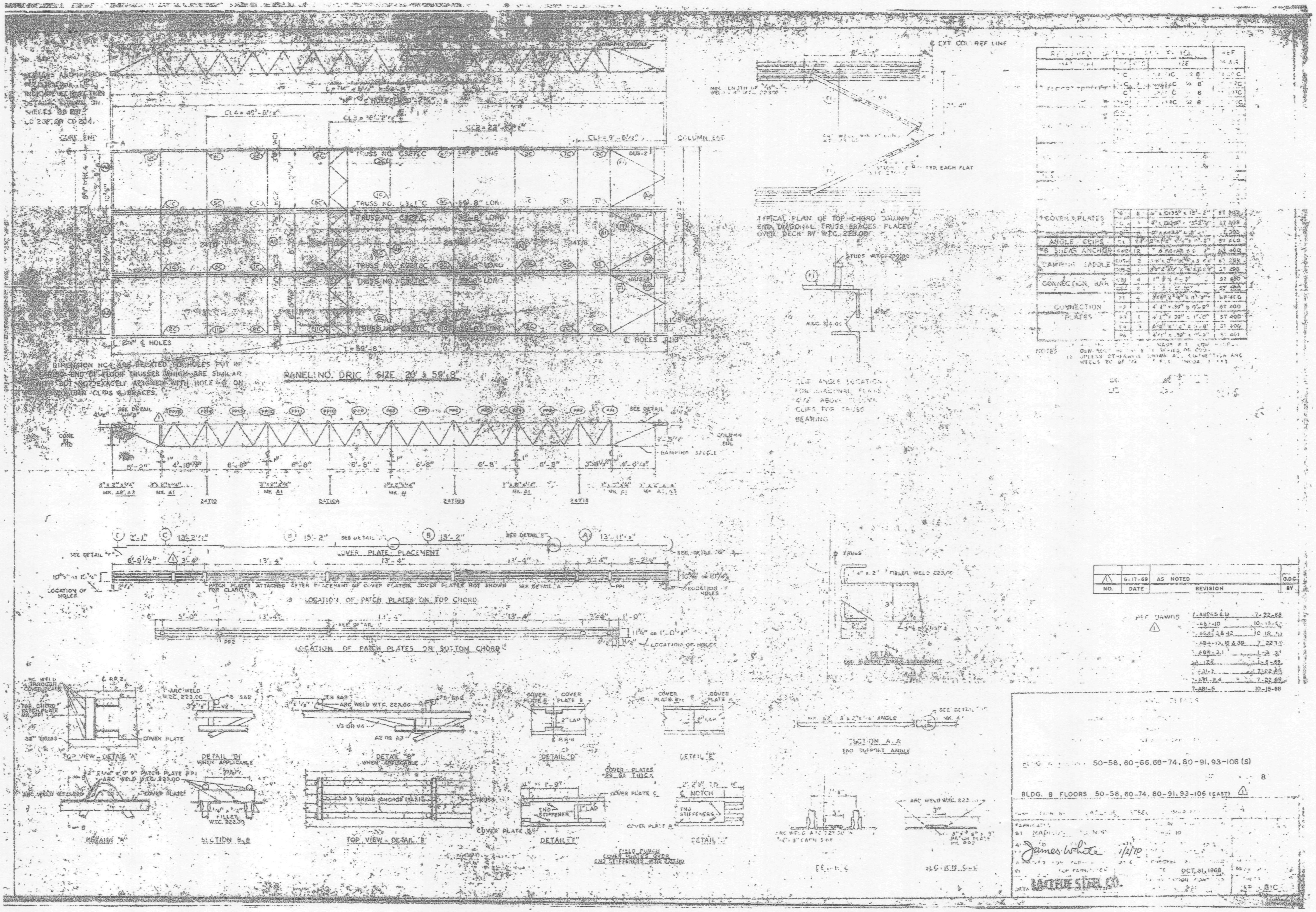
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER — N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

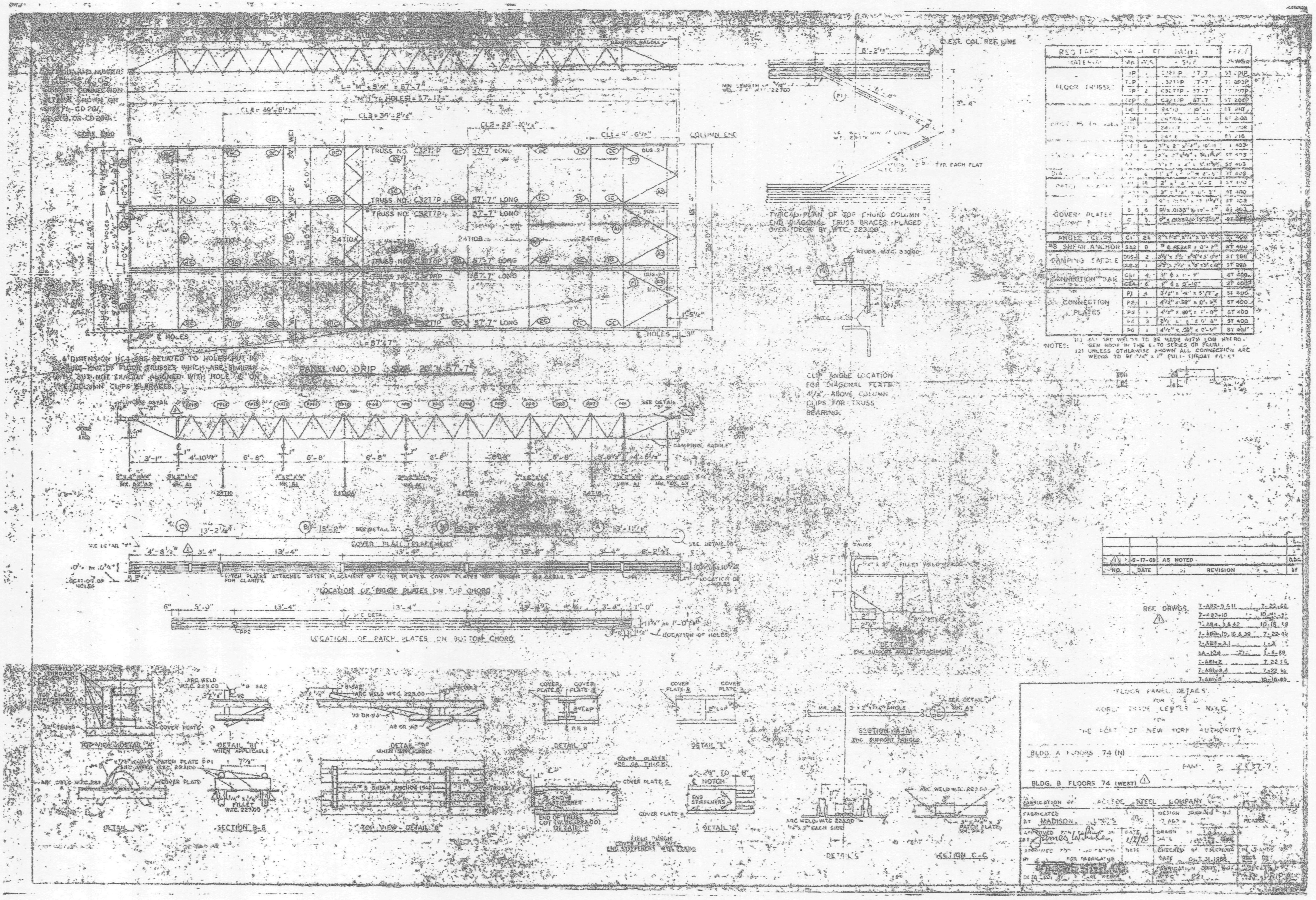
BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 40-[illegible]-66 & 68-69 (NORTH) PANEL D[illegible] x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION FOR P.O.N.Y.A. — DATE 1/2/70
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR — DATE
DETAILED BY [illegible]
DESIGN DRAWING NO. 7-AB2-10
DRAWN BY [illegible] DATE JULY 22, 1968
CHECKED BY T.H.C. DATE JULY 22, 1968
FABRICATION CONT. NO. W.T.C. 221
IN CHARGE OF [illegible]
SHEET NO. FP. DRIA

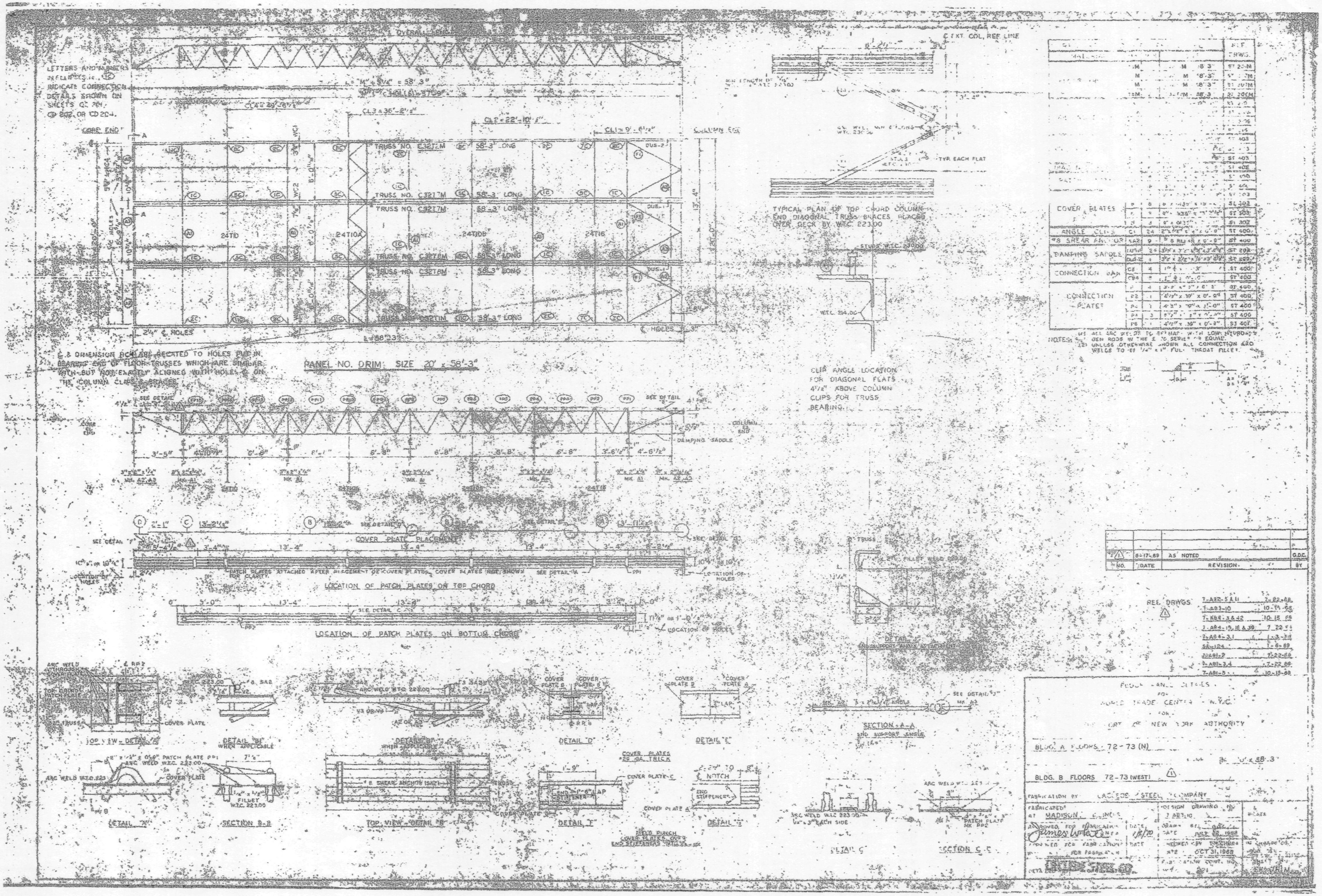


LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, 203, CD 204.
DAMPING SADDLE
COLUMN END
TRUSS NO. C32T2B
TRUSS NO. C32T7B
TRUSS NO. C32T8B
TRUSS NO. C32T1B
59'-8 1/4" LONG
24T10
24T10A
24T10B
24T16
℄ HOLES
L=59'-8 1/2"
END DIAGONAL TRUSS BRACES PLACED AFTER DECK IS W.T.C. 223.00
TYP EACH FLAT
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION PLATES
PANEL NO. DRIB SIZE 20' x 59'-8 1/2"
CLIP ANGLE LOCATION FOR DIAGONAL PLATES 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
ARC WELD W.T.C. 223.00
COVER PLATE
END STIFFENERS
NOTCH
1 | 6-17-69 | AS NOTED
NO. | DATE | REVISION
REF. DWGS.
7-A6P-5,&1 7-22-68
7-A59-10 10-15-68
7-A64-1&42 10-15-68
7-A64-15,16 & 39 7-22-68
7-A64-31 1-3-69
5&1&24 1-6-69
7-A61-2 7-22-68
7-A61-3,4 7-22-68
7-A61-5 10-15-68
FLOOR PANEL DETAILS
TRADE CENTER N.Y.C.
NEW YORK AUTHORITY
BLDG. FLOORS 84-91, 93-106 (N)
DRIB 8 1/2"
BLDG. B FLOORS 84-91, 93-106 (WEST)
STEEL COMPANY
AT MADISON
OCT. 31, 1968
1/2/70

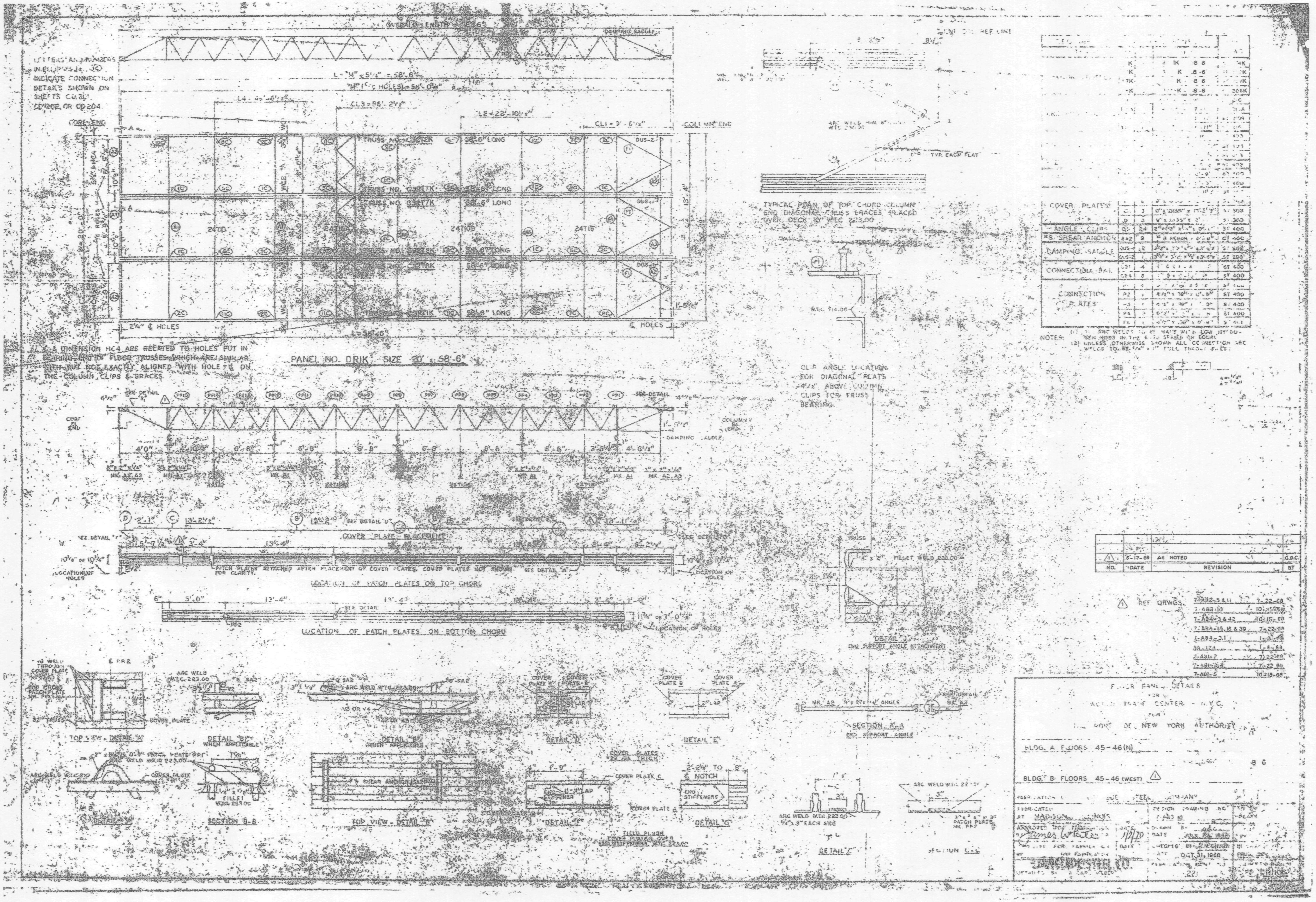

TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
PANEL NO. DRIC SIZE 20' x 59'-8"
TRUSS NO. C32TC
DAMPING SADDLE
COLUMN END
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
SECTION A-A END SUPPORT ANGLE
DETAIL END SUPPORT ANGLE ATTACHMENT
6-17-69 AS NOTED
NO. DATE REVISION
REF. DRAWGS
7-AB4-13,16 & 39 7-22-68
7-ABI-5 10-15-68
50-58, 60-66, 68-74, 80-91, 93-106 (S)
BLDG. B FLOORS 50-58, 60-74, 80-91, 93-106 (EAST)
James White 1/2/70
OCT. 31, 1968
LACLEDE STEEL CO.



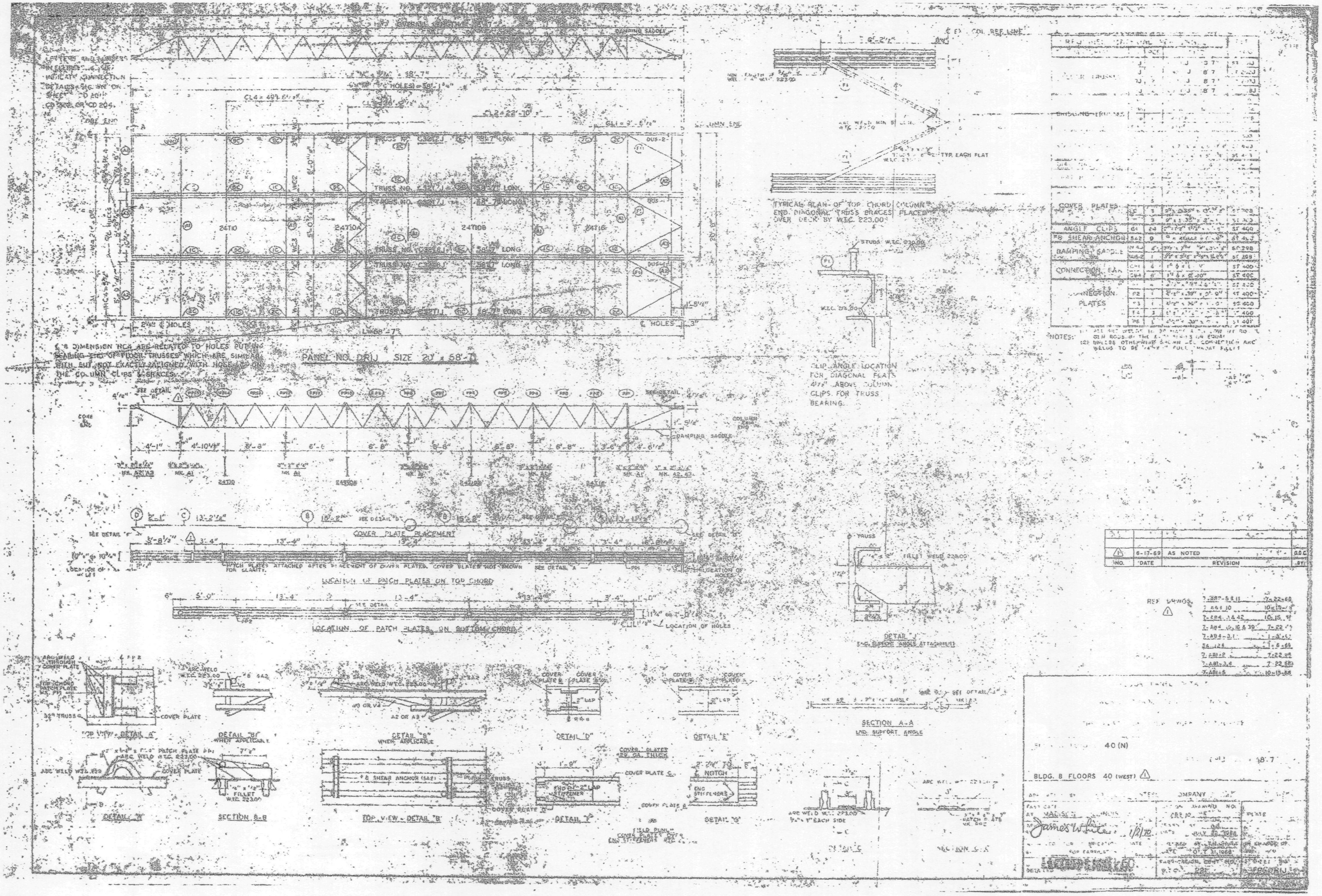
DAMPING SADDLE
CL.EXT. COL. REF. LINE
CL1 = 9'-6½"
COLUMN END
CORE END
TRUSS NO. C32T2P
57'-7" LONG
TRUSS NO. C32T7P
24T10A
24T10B
24T16
L = 57'-7"
PANEL NO. DRIP SIZE 20' x 57'-7"
TYP. EACH FLAT
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES FLAGED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
SEE DETAIL
DAMPING SADDLE
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
FILLET WELD 223.00
DETAIL END SUPPORT ANGLE ATTACHMENT
NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN ROOF IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL-THROAT FILLET
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
FLOOR TRUSSES
6-17-69 AS NOTED
NO. DATE REVISION
REF. DRWGS.
7-AB1-5 10-15-69
TOP VIEW DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "F"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "G"
DETAIL "C"
SECTION C-C
COVER PLATES #20 GA. THICK
END OF TRUSS COT (W.T.C. 223.00)
FIELD PUNCH COVER PLATES OVER END STIFFENERS W/ 1/2" DIA
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 74 (N)
BLDG. B FLOORS 74 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY James White DATE 1/2/70
CHECKED BY
DATE OCT. 31, 1968
DRIP

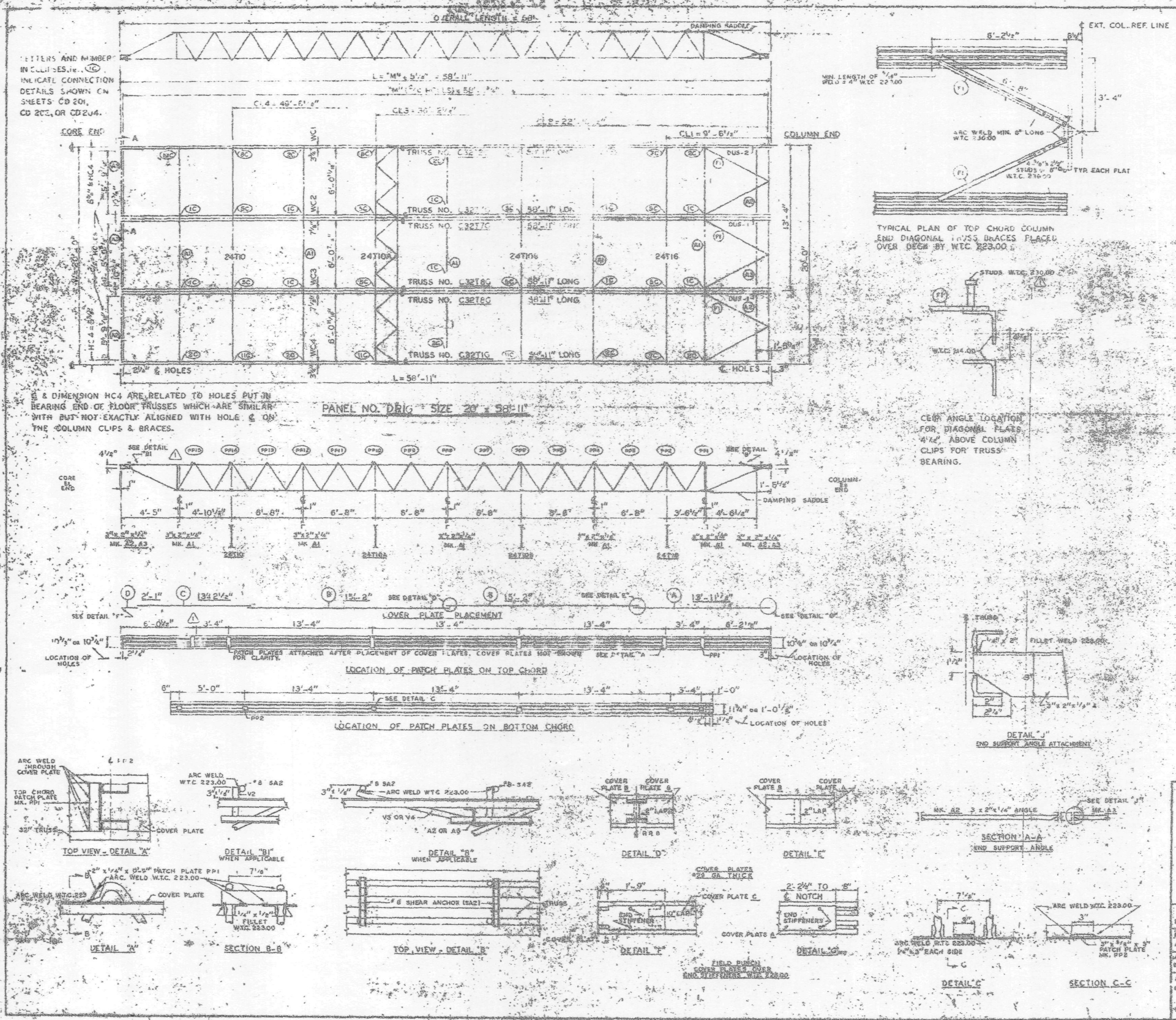


LETTERS AND NUMBERS
INDICATE CONNECTION
DETAILS SHOWN ON
CORE END
COLUMN END
TRUSS NO. C32T2M 58'-3" LONG
TRUSS NO. C32T7M 58'-3" LONG
TRUSS NO. C32T6M 58'-3" LONG
TRUSS NO. C32T1N 58'-3" LONG
24T10
24T10A
24T10B
24T16
L = 58'-3"
PANEL NO. DRIM SIZE 20' x 58'-3"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
TYP. EACH FLAT
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DAMPING SADDLE
COVER PLATES
ANGLE
#8 SHEAR ANCHORS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
DETAIL
SECTION A-A
END SUPPORT ANGLE
TOP VIEW - DETAIL
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL C
SECTION C-C
COVER PLATES #20 GA. THICK
ARC WELD W.T.C. 223.00
6-17-69 AS NOTED
NO. DATE REVISION BY
REF. DRWGS
7-AB2-3 & 11 7-22-68
7-AB3-10 10-15-68
7-AB4-15,16 & 39 7-22-68
7-AB4-3.1 1-3-68
SA-124 1-6-69
7-AB1-2 7-22-68
7-AB1-3,4 7-22-68
7-AB1-5 10-15-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 72-73 (N)
BLDG. B FLOORS 72-73 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION
DATE 1/8/70
DESIGN DRAWING 7-AB3-10
DRAWN BY
DATE JULY 22, 1968
CHECKED BY
DATE OCT 31, 1968
LACLEDE STEEL CO.



LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD-202, OR CD 204
CORE END
COLUMN END
PANEL NO. DRIK SIZE 20' x 58'-6"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION ANGLES
CONNECTION PLATES
DAMPING SADDLE
TOP VIEW - DETAIL "A"
DETAIL "BC" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
TOP VIEW - DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION B-B
SECTION A-A END SUPPORT ANGLE
SECTION C-C
DETAIL 3 END SUPPORT ANGLE ATTACHMENT
REF DRWGS.
6-17-69 AS NOTED
NO. DATE REVISION BY
FLOOR PANEL DETAILS
WORLD TRADE CENTER - N.Y.C.
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 45-46 (N)
BLDG. B FLOORS 45-46 (WEST)
MADISON, ILLINOIS
JULY 29, 1968
OCT. 31, 1968


PANEL NO. DRIJ SIZE 20' x 58'-7"
TYPICAL PLAN OF TOP CHORD COLUMN END. DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4⅞" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
DAMPING SADDLE
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES:
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
DETAIL "A"
DETAIL "B"
DETAIL "B1"
DETAIL "B"
WHEN APPLICABLE
TOP VIEW - DETAIL "A"
TOP VIEW - DETAIL "B"
SECTION B-B
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
6-17-69 AS NOTED
NO. DATE REVISION
REF DWGS.
BLDG. B FLOORS 40 (WEST)
40 (N)
MADISON, ILLINOIS
PACIFIC CAR & FOUNDRY CO.



REQUIRED MATERIAL PER PANEL				[illegible]
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1G	1	C32T1G - 58'-11"	ST [illegible]
	T6G	1	C32T6G - 58'-11"	ST 2[illegible]G
	T7G	2	C32T7G - 58'-11"	ST 2[illegible]G
	T8G	2	C32T8G - 58'-11"	ST [illegible]08G
BRIDGING TRUSSES	T10	1	24T10 - 9'-[illegible]	ST 210
	T10A	1	24T10A - 9'-11"	ST 210A
	T10B	1	24T10B - 9'-[illegible]	ST 210B
	T16	1	24T16 - 10'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	[illegible]	ST 40[illegible]
	A2	4	3" x 2" x [illegible]	ST 403
	A3	2	3" x 2" x [illegible]	[illegible]
DIAGONAL FLATS	F1	6	1½" x [illegible]" x 8'-8"	ST 40[illegible]
PATCH PLATES	PP1	18	2" x 1/4" x 0'-2"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-[illegible]	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x 3/8" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x 3/8" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x 3/8" x 8½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x 1/2" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

A = 1/8"
B = 1/4"

NO.	DATE	REVISION		BY
1	6-17-69	AS NOTED		G.D.C.

REF. DRWGS. ⚠1

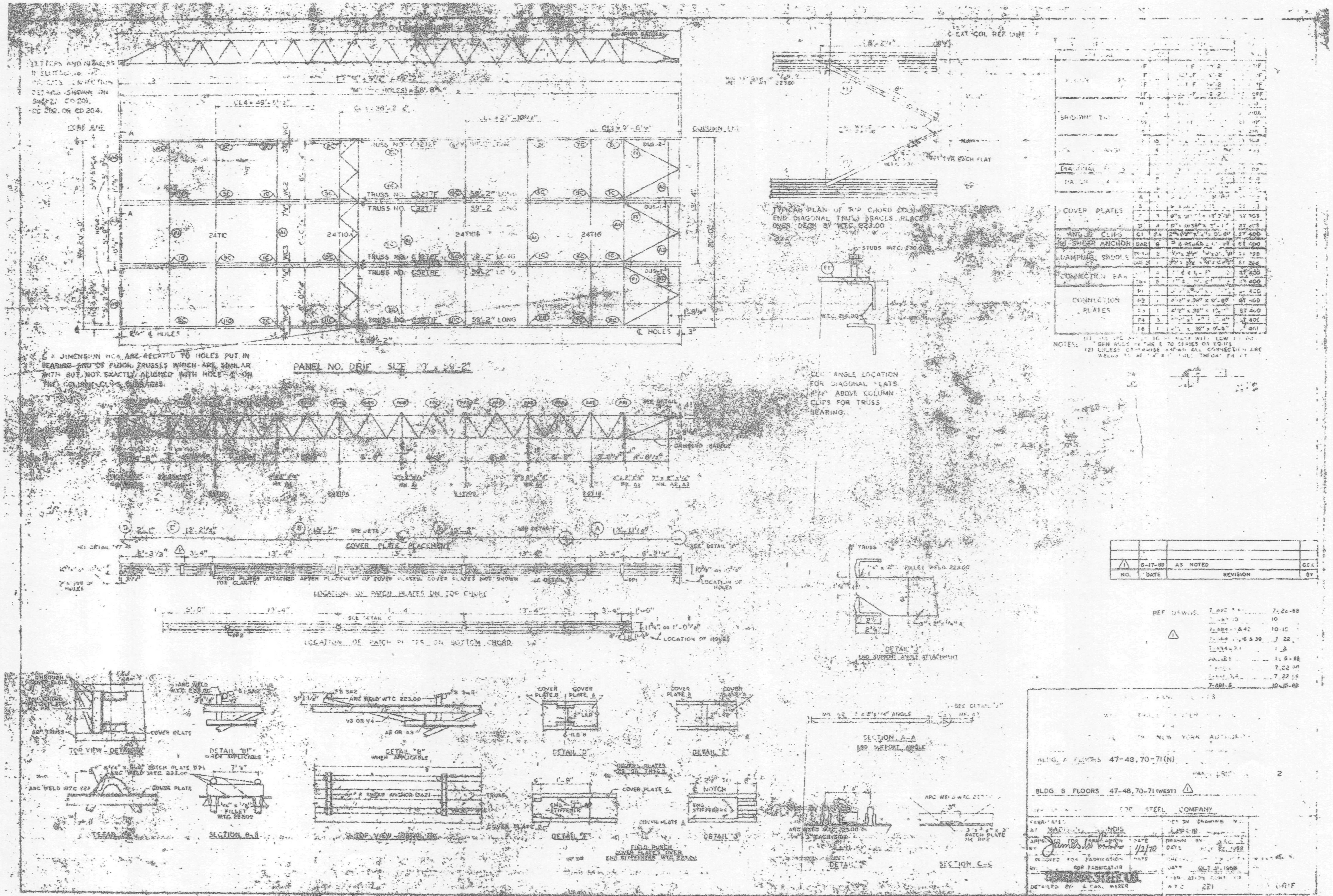
7-AB2-5 & 11	7-22-68
7-AB7-10	10-15-68
7-AB4-1	1-3-68
7-AB4-15, 16 & 39	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-6-69
7-AB1-2, 3 & 4	7-22-68
7-AB1-5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

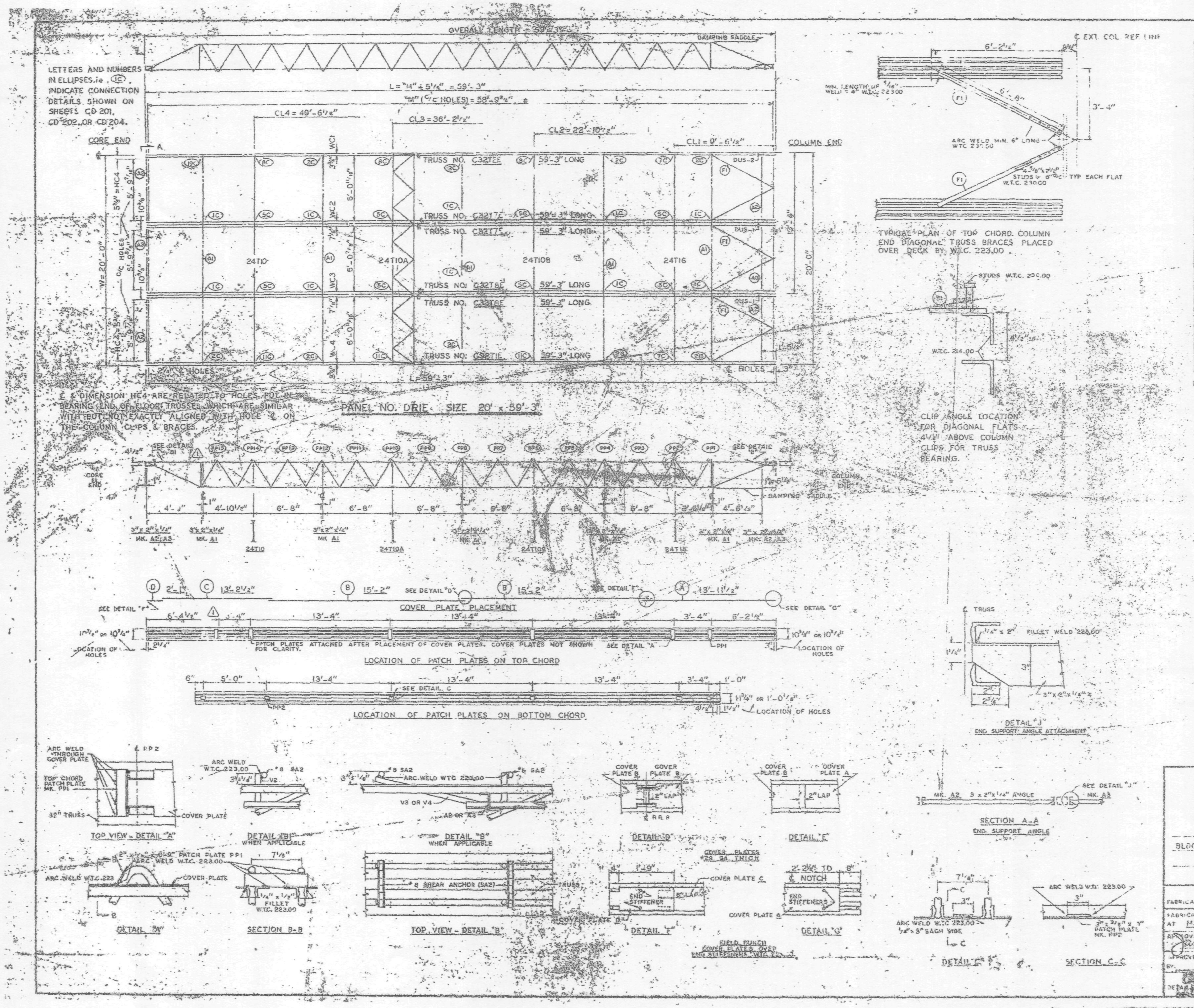
BLDG. A FLOORS 10-11, 39 (NORTH) 39-40 (SOUTH) ⚠1
PANEL DRIG - 20' x 58'-11
BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-10	PLATE
APPROVED FOR FABRICATION BY James [signature] FOR [illegible]	DATE 1/2/70	DRAWN BY gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV.
[stamp] DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. WTC 221	SHEET NO. FP DRIG



DAMPING SADDLE
COLUMN END
TRUSS NO. C32T7F 59'-2" LONG
TRUSS NO. C32T8F 59'-2" LONG
TRUSS NO. C32T5F 59'-2" LONG
24T1C
24T10A
24T105
24T16
PANEL NO. DRIF - SIZE 20' x 59'-2"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL PLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
6-17-69 AS NOTED
NO. DATE REVISION BY
REF. DRWGS.
TOP VIEW - DETAIL "A"
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
SECTION B-B
DETAIL "F"
DETAIL "G"
SECTION C-C
BLDG. A FLOORS 47-48, 70-71 (N)
BLDG. B FLOORS 47-48, 70-71 (WEST)
STEEL COMPANY
OCT. 31, 1968



REQUIRED MATERIAL [illegible]				
MATERIAL	MK	PC	[illegible]	[illegible]
FLOOR TRUSSES	[illegible]	[illegible]	[illegible] 59'-3"	[illegible]
	[illegible]	1	C32T2E 59'-3"	[illegible]
	[illegible]	2	[illegible]	[illegible]
	[illegible]	2	C32T8E 59'-3"	[illegible]
BRIDGING TRUSSES	[illegible]	[illegible]	24T10	[illegible]
	[illegible]	[illegible]	24T10A	[illegible]
	[illegible]	[illegible]	24T10B	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] ANGLE	[illegible]	[illegible]	[illegible]	[illegible]
	A2	[illegible]	[illegible]	[illegible]
	A3	[illegible]	[illegible]	[illegible]
DIAGONAL FLATS	F1	[illegible]	[illegible] 6'-8	[illegible]
PATCH PLATES	[illegible]	18	[illegible]	[illegible]
	PP1	18	[illegible] 0'-2"	[illegible]
COVER PLATES	A	[illegible]	[illegible]	[illegible]
	B	2	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x 0.135" x 2 [illegible]	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x [illegible] x 0'-9"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

A = 1/4"
B = 1/4"

NO.	DATE	REVISION
1	6-17-68	AS NOTED

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-C	10-15-68
7-AB4-3.1	1-3-68
7-AB4-15, 16 & 33	7-22-68
7-AB4-12 & 3	10-15-68
SA-124	1-6-67
7-AB1-2, 3 & 4	7-22-68
7-AB1-5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)

PANEL [illegible] x 59'-3"

FABRICATION BY [illegible]CLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7 AB3-D

PLATE

APPROVED FOR FABRICATION JAMES WORTON DATE 1/2/70

DRAWN BY [illegible] DATE JULY 22, 1968

APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE

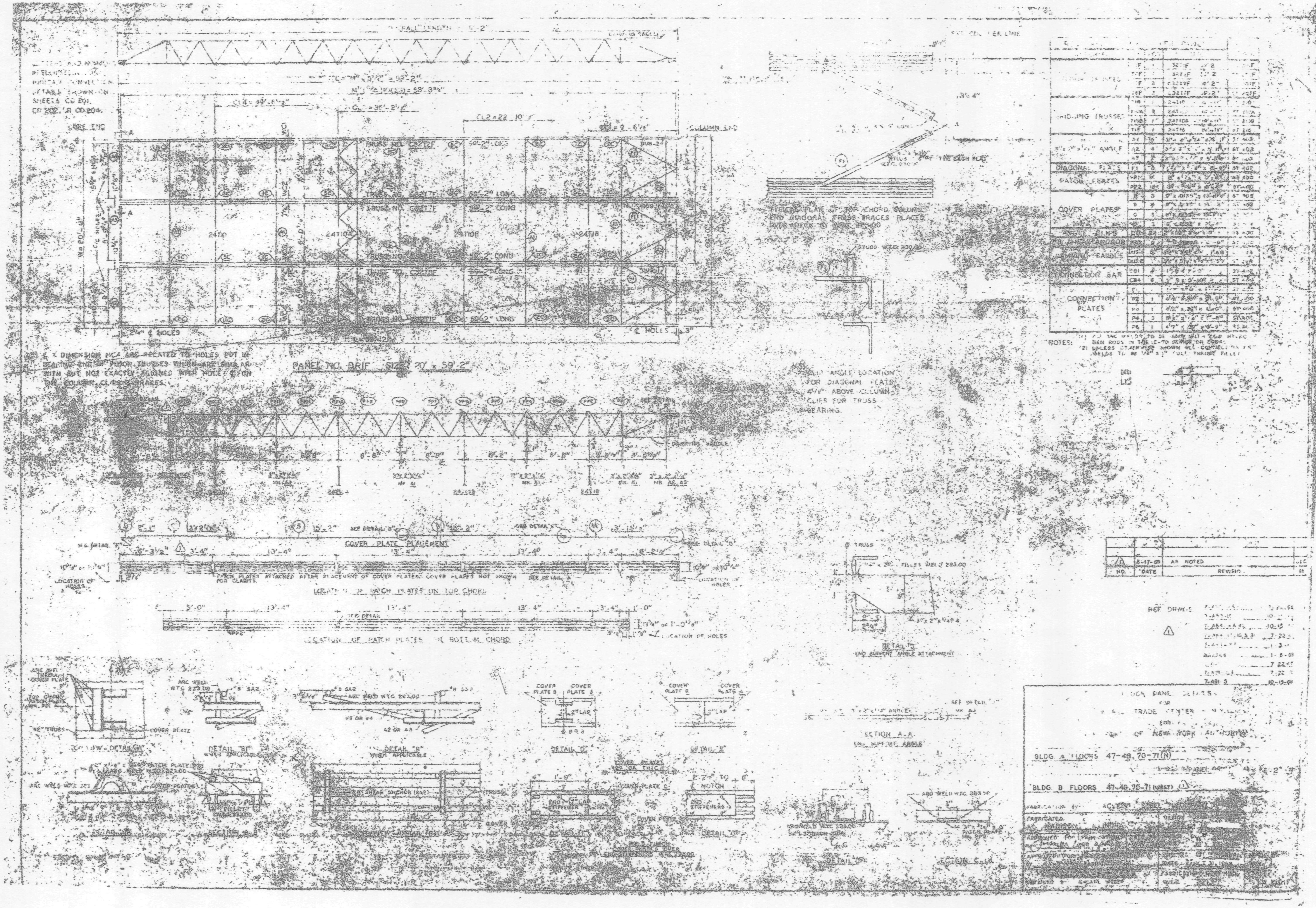
CHECKED BY T.M. CHURA DATE JULY 22, 1968

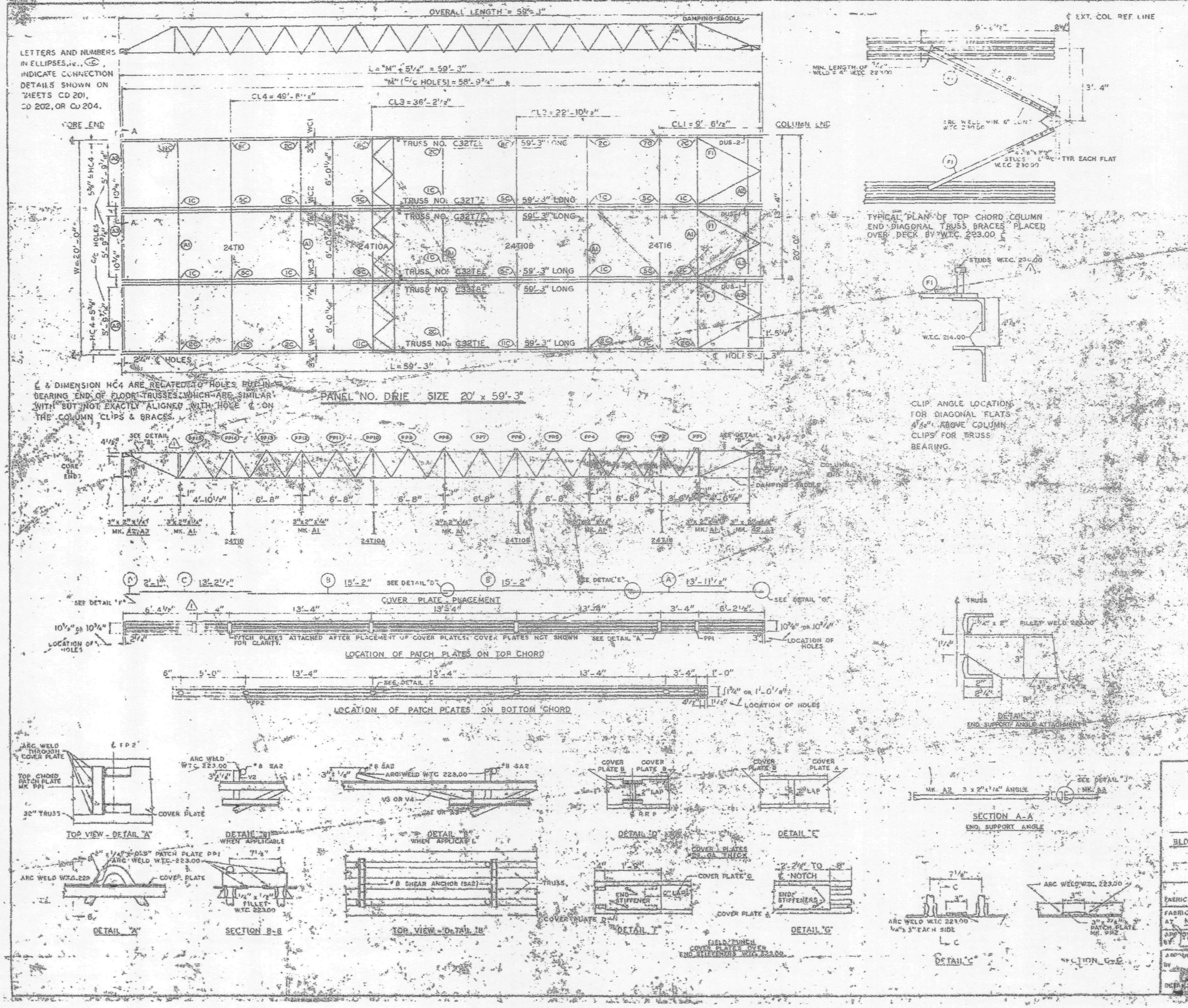
IN CHARGE OF PROJECT

DETAILED BY LACLEDE STEEL CO.

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP DRIE


PANEL NO. DRIF SIZE 20' x 59'-2"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DAMPING SADDLE
COLUMN END
CLIP ANGLE LOCATION FOR DIAGONAL PLATE 4 1/4" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
BRIDGING TRUSSES
DIAGONAL PLATES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
NOTES:
DETAIL "B"
DETAIL "C"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
DETAIL "D"
END SUPPORT ANGLE ATTACHMENT
AS NOTED
NO.
DATE
REVISION
REF DRWGS
7-A81-3
10-15-68
TRADE CENTER
OF NEW YORK AUTHORITY
BLDG A FLOORS 47-48, 70-71 (N)
BLDG B FLOORS 47-48, 70-71 (WEST)



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-[illegible]	ST 403
	A3	2	3" x 2" x ¼" x 5'-[illegible]	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0133" x 13'-11⅛"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ⅛" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6"	ST 298
	DUS-2	4	3½" x 3½" x ⅜" x 3'-6"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
	CB4	8	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 0'-5"	ST 400
	P2	1	4½" x .39" x 0'-8"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	2	6½" x 1½" x 0'-8"	ST 400
	P5	1	4½" x .39" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" - 1" FULL THROAT FILLET.

A = ¾"
B = ⅛"

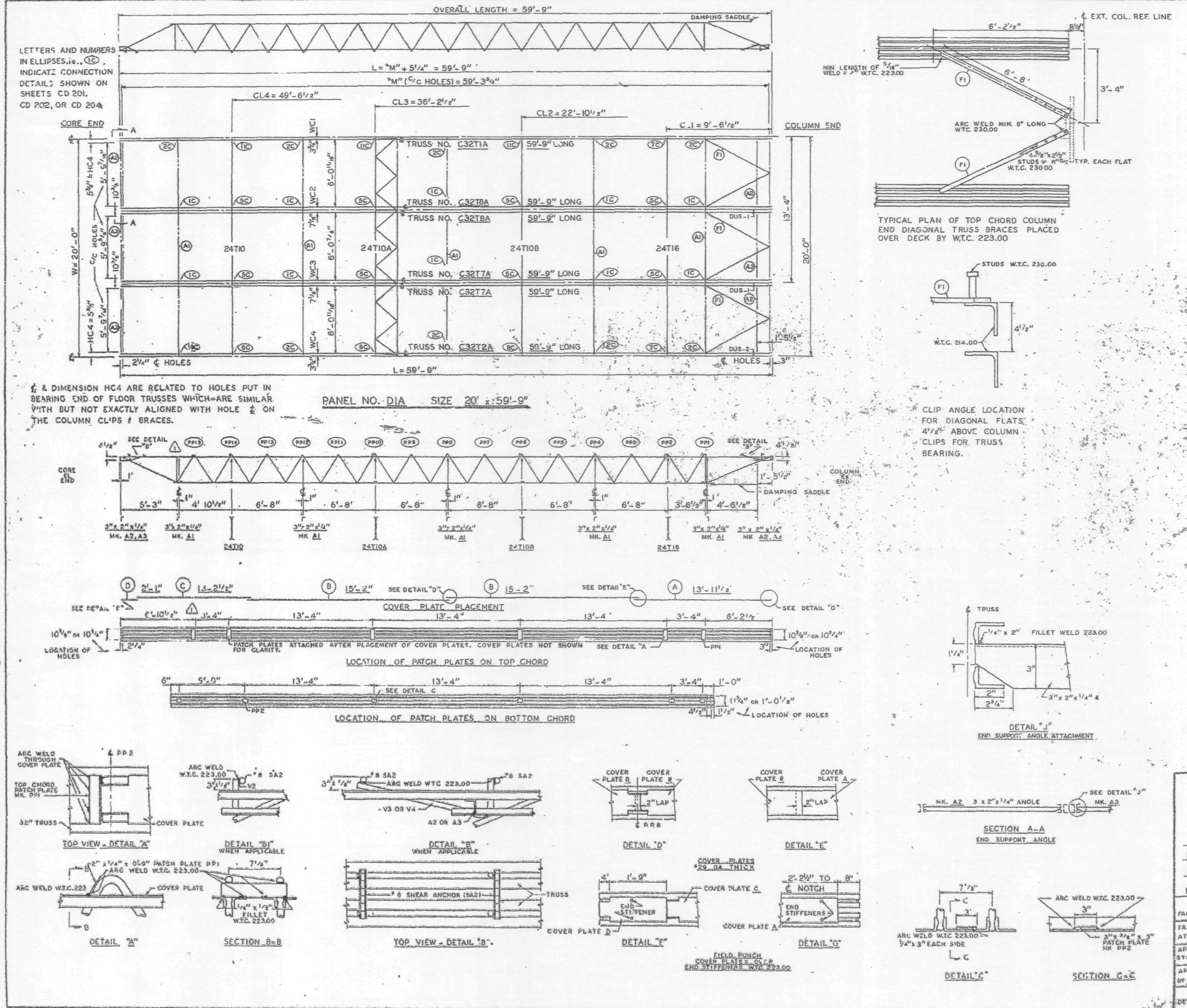
1	6-17-68	AS NOTED	
NO.	DATE		REVISION

REF. DRWGS.
7-AB2-3 & 11 ... 7-22-68
7-AB3- ... 10-15-68
7-AB4-31 ... 7-22-68
7-AB4-15, 16 & 39 ... 7-22-68
7-AB4-42 & [illegible] ... 10-15-68
SA-124 ... 1-5-69
7-AB1-2, 3 & 4 ... 7-22-68
7-AB1-5 ... 10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)
PANEL DRIE

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-10
APPROVED FOR FABRICATION BY [illegible] PORT OF N.Y.A. DATE [illegible]
DRAWN BY [illegible] DATE JULY 22, 1968
APPROVED FOR FABRICATION BY ... FOR FABRICATOR DATE
CHECKED BY [illegible] DATE JULY 22, 1968
LACLEDE STEEL CO.
FABRICATION CONT. NO. WTC 221
SHEET NO. FP DRIE



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1A	1	C32T1A - 59'-9"	ST 201A
	T2A	1	C32T2A - 59'-9"	ST 202A
	T7A	2	C32T7A - 59'-9"	ST 207A
	T8A	2	C32T8A - 59'-9"	ST 208A
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P5	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

△1	6-10-69	AS NOTED	G.D.C
BY	DATE	REVISION	BY

△1 REF. DRWGS.

- 7-AB2-5 & 11 — 7-22-68
- 7-AB3-9 — 10-15-68
- 7-AB4-39 — 7-22-68
- 7-AB4-15 & 16 — 7-22-68
- 7-AB4-42 & 3 — 10-15-68
- SA-124 — 1-6-69
- 7-AB1-2, 3 & 4 — 7-22-68
- 7-AB1-3, 4 & 5 — 10-15-68

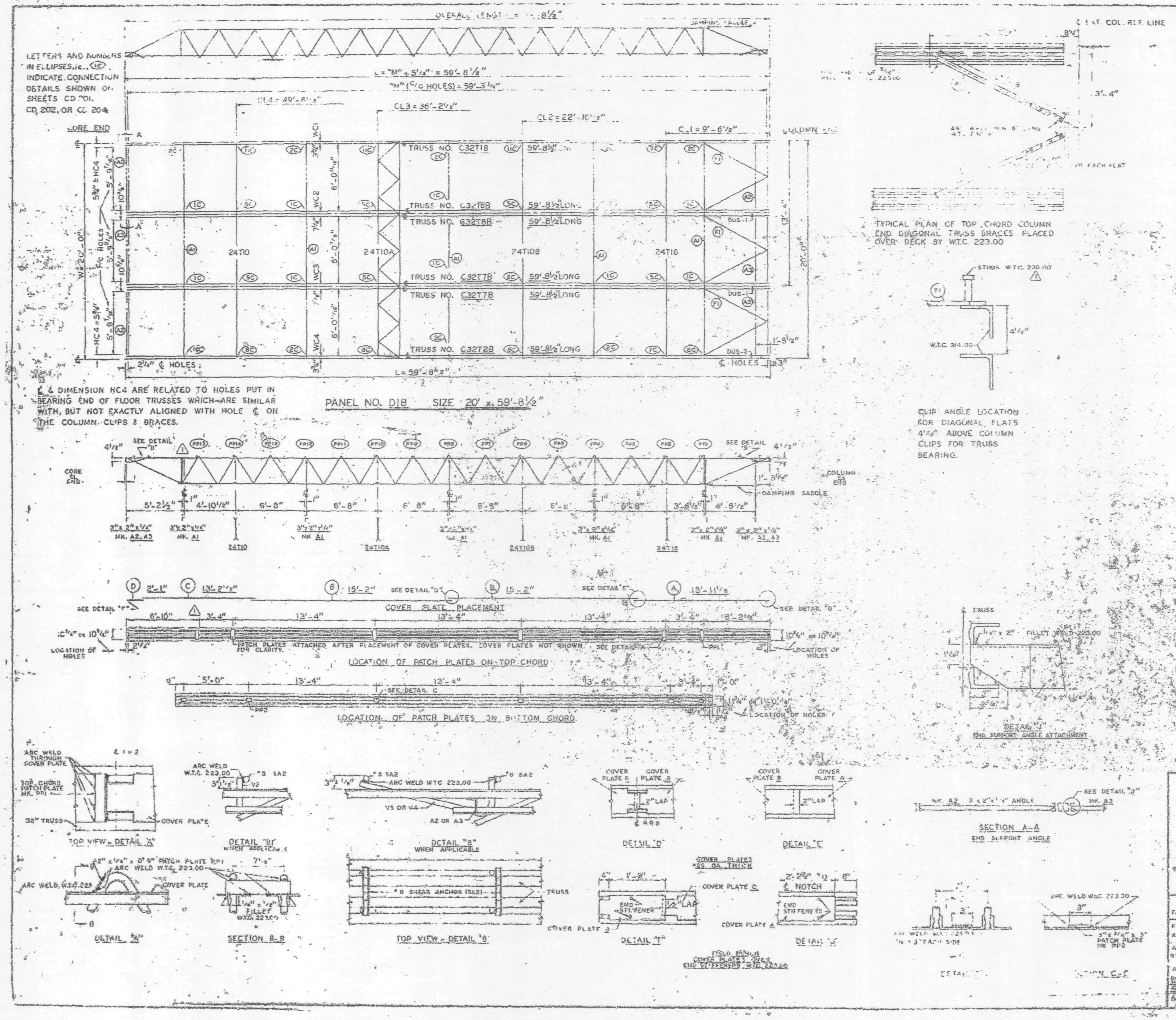
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) [illegible]-58, 60-66, 68, 69 (NORTH) PANEL [illegible] 20' x 59'-9"

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) [illegible]-69 [illegible] △1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-9 4-15-68	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 22, 1968	IN CHARGE OF PROG. DEV.
DETAILED [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP DIA



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MR.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8½"	ST 201B
	T2B	1	C32T2B - 59'-8½"	ST 202B
	T7B	2	C32T7B - 59'-8½"	ST 207B
	T8B	2	C32T8B - 59'-8½"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-6"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x [illegible] x 3'-[illegible]"	ST 298
	DUS-2	1	3½" x 3½" x [illegible] x 3'-6[illegible]"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ¾" x [illegible]	ST 400
	P2	1	4½" x .39" x 0'-8"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-[illegible]"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

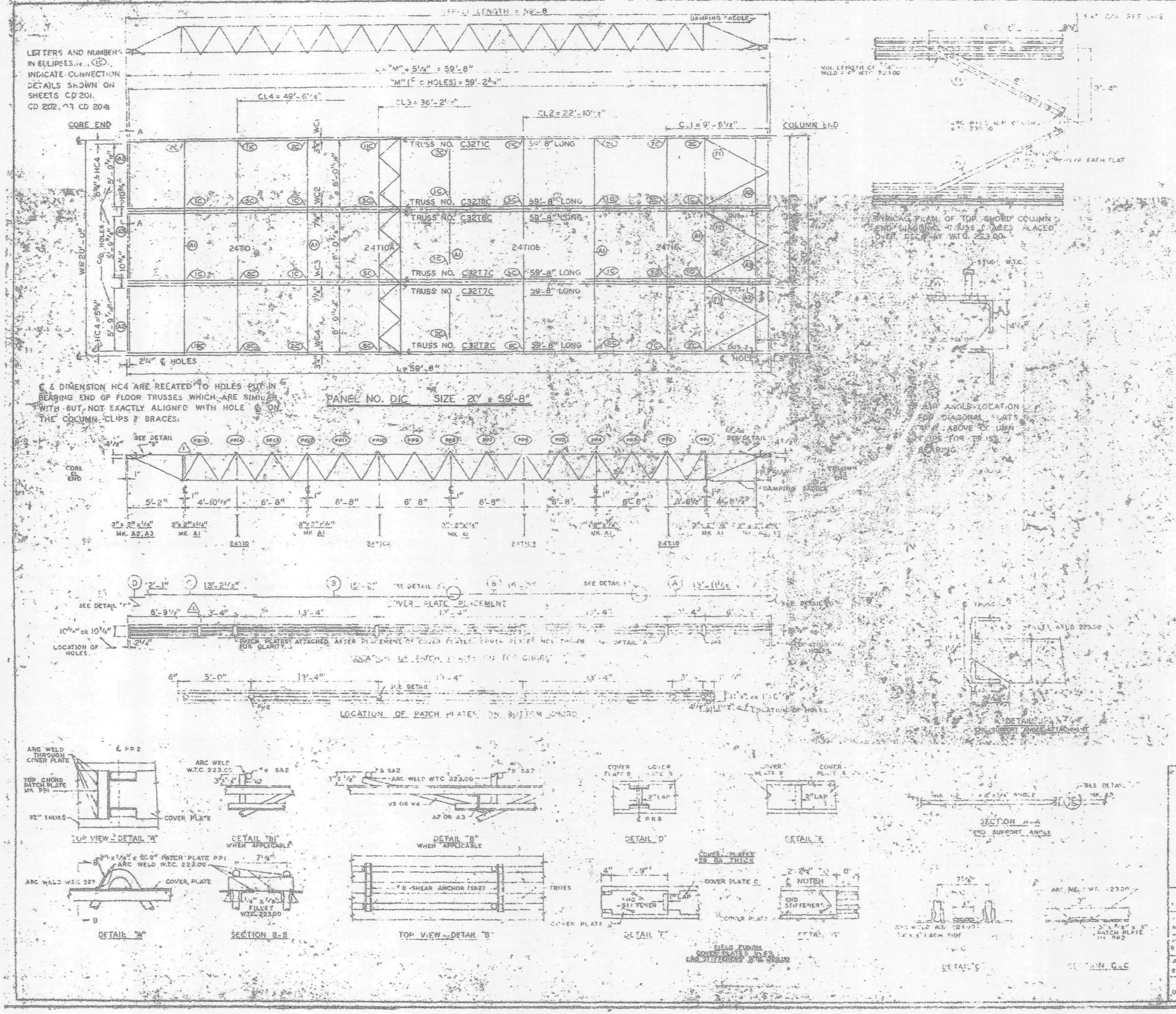
NO.	DATE	REVISION	BY
1	6-8-69	AS NOTED	

⚠1 REF. DRWGS.
7-AB2-3 & 11 — 7-22-68
7-AB3-9 — 10-15-68
7-AB4-3.1 — 1-3-68
7-AB4-15, 16 & 39 — 7-22-68
7-AB4-22 & 3 — 10-15-68
SA-152 — 1-6-59
7-AB1-2, 3 & 4 — 7-22-68
7-AB1-5 — 10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 84-91, 93-106 (N)
PANEL D1B - 20' x 59'-8½"
BLDG. B FLOORS 84-91, 93-106 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE
DRAWN BY DATE OCT 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY DATE OCT 24, 1968
IN CHARGE OF
DETAILED BY CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO.



MATERIAL PER PANEL				REF
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1C	1	C32T1C - 59'-8"	ST 201C
	T2C	1	C32T2C - 59'-8"	ST 202C
	T7C	2	C32T7C - 59'-8"	ST 207C
	T8C	2	C32T8C - 59'-8"	ST 208C
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3 x 2 x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	5	8" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-3"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
	CB4	6	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW-HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	G.D.C.

1 REF. DRWGS.

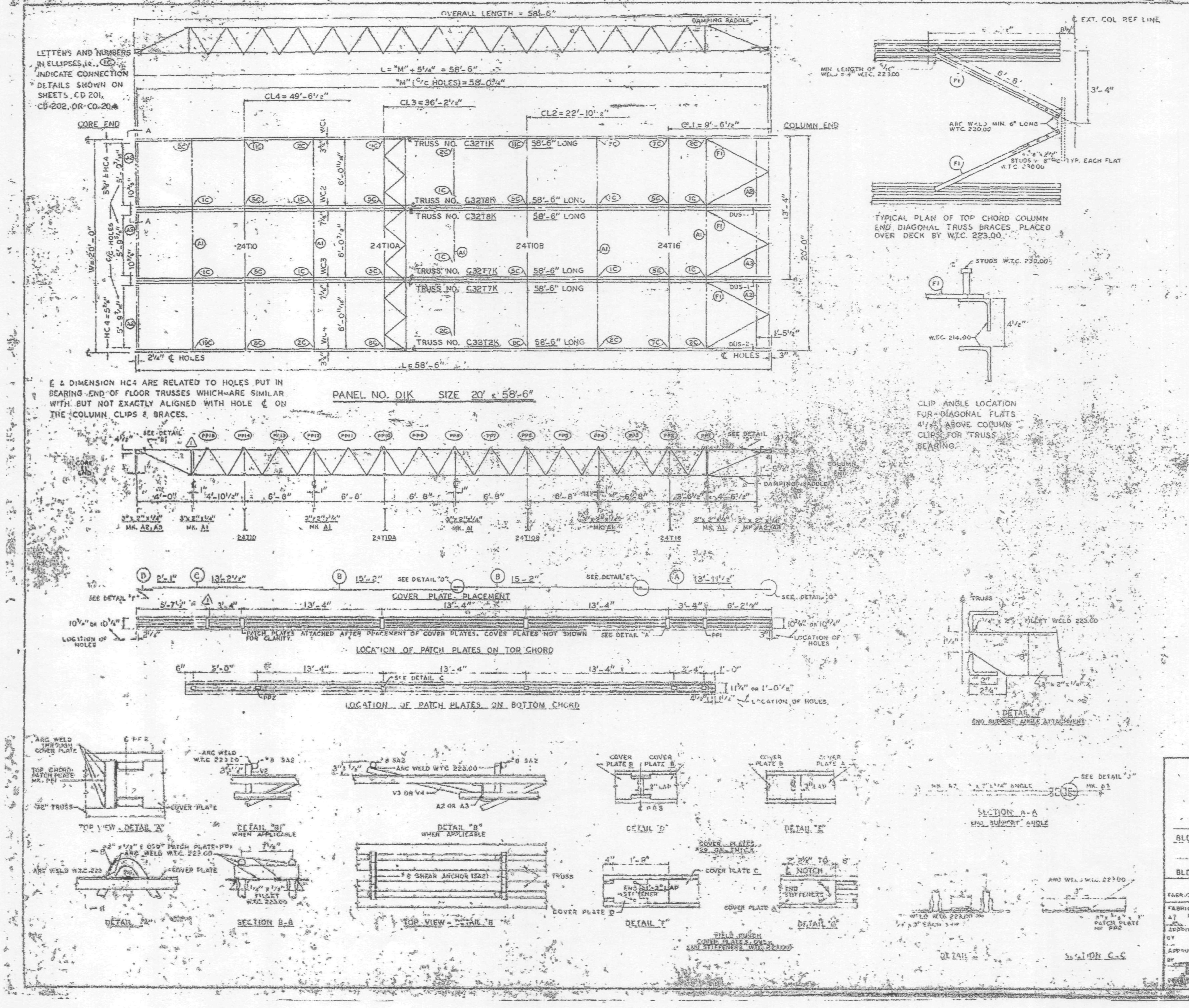
7-AB2-5 & 11	7-22-68
7-AB3-8	10-15-68
7-AB4-31	1-3-69
7-AB4-15, 6 & 39	1-22-69
7-AB4-42 & 3	10-15-68
SK-124	1-6-69
7-AB1-2, 3 & 4	7-22-68
7-AB1-5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 50-58, 60-66, 68-74, 79-91 & 93-106 (EAST)
PANEL D1C 59'-8"
BLDG. B FLOORS 50-58, 60-74, 79-91 & 93-106 (EAST) 1

FABRICATION BY LACLEDE STEEL COMPANY

DESIGNED BY MAL...		DESIGN DRAWING NO. 7-AB3-9	PLATE
APPROVED FOR FABRICATION BY R. J. ...	DATE 1/2/70	DRAWN BY G.D.C. DATE OCT 24, 1968	
APPROVED FOR FABRICATION BY	DATE	CHECKED BY T. KIMURA DATE OCT 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. D1C



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 20[illegible]K
	T2K	1	C32T2K - 58'-6"	ST 20[illegible]K
	T7K	2	C32T7K - 58'-6"	ST 20[illegible]K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	[illegible]	24T16 - 19'-11"	ST [illegible]
3" x 2" x 1/4" [illegible]	[illegible]	5	3" x 2" x 1/4" x [illegible]	ST 4[illegible]
	A2	4	3" x 2" x 1/4" x 5'-[illegible]	ST 4[illegible]
	[illegible]	2	3" x 2" x 1/4" x 5'-[illegible]	ST 4[illegible]
DIAGONAL FLATS	F1	6	1'-2" x 3/8" x 6'-8"	ST 40[illegible]
PATCH PLATES	[illegible]	18	2" x 1/4" x 0'-9"	ST [illegible]
	PP2	16	3" x 3/8" x 0'-3"	ST [illegible]
COVER PLATES	[illegible]	1	9" x .0135" x [illegible]	ST [illegible]
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0' 9"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 296
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x [illegible]-0"	ST 400
	P4	3	8 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x [illegible]	ST 4[illegible]

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

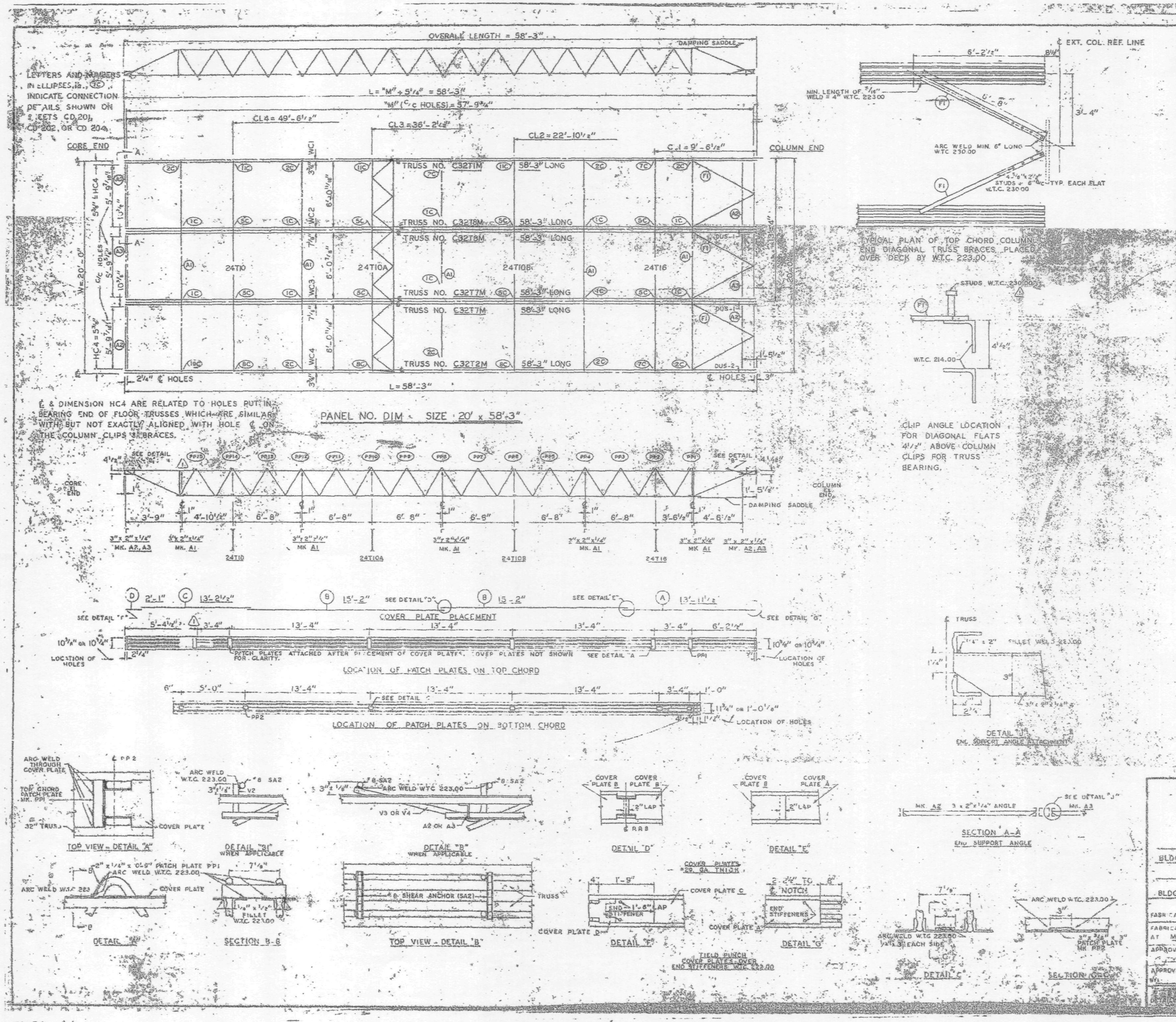
⚠1	6-10-69	AS NOTED	
NO.	DATE	REVISION	

⚠1 REF. DRWGS
7-AB2-5,&11 — [illegible]
7-AB1 8 — [illegible]
7-AB4 [illegible] — [illegible]
7-AB4-15,16 & 38 — [illegible]-22-68
7-AB4-47 & 3 — 3-15-68
ST-124 — 5 69
[illegible] 2,3 & 4 — 2- 68
[illegible] — [illegible]-68

[illegible] FOR [illegible] TRADE CENTER [illegible] N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46 (N)
PANEL [illegible] 58'-6"
BLDG. B FLOORS 46 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9
APPROVED FOR FABRICATION BY [illegible] DATE [illegible]
DRAWN BY [illegible] DATE OCT. 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY [illegible] DATE [illegible] 24, 1968
LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. [illegible]1K



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG
FLOOR TRUSSES	T1M	1	C32T1M - 58'-3"	ST 201M
	T2M	1	C32T2M - 58'-3"	ST 202M
	T7M	2	C32T7M - 58'-3"	ST 207M
	T8M	2	C32T8M - 58'-3"	ST 208M
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 6'-4 [illegible]	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	6" x .0135" x 13'-11 1/2"	ST 303
	B	5	6" x .0135" x 15'-2"	ST 303
	C	3	6" x .0135" x 13'-2 1/2"	ST 303
	D	3	6" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
CONNECTION BAR	CB1	4	1" [illegible] x 1'-3"	ST 400
	CB2	6	1" [illegible]	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-6"	ST 400
	P5	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-9	10-[illegible]
7-AB4-31	[illegible]
7-AB4-15, 16 & 39	7-22-68
7-AB4-42 & 43	10-15-68
SC-124	1-6-69
7-SB1-2, 3 & 4	7-22-68
7-SB1-5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

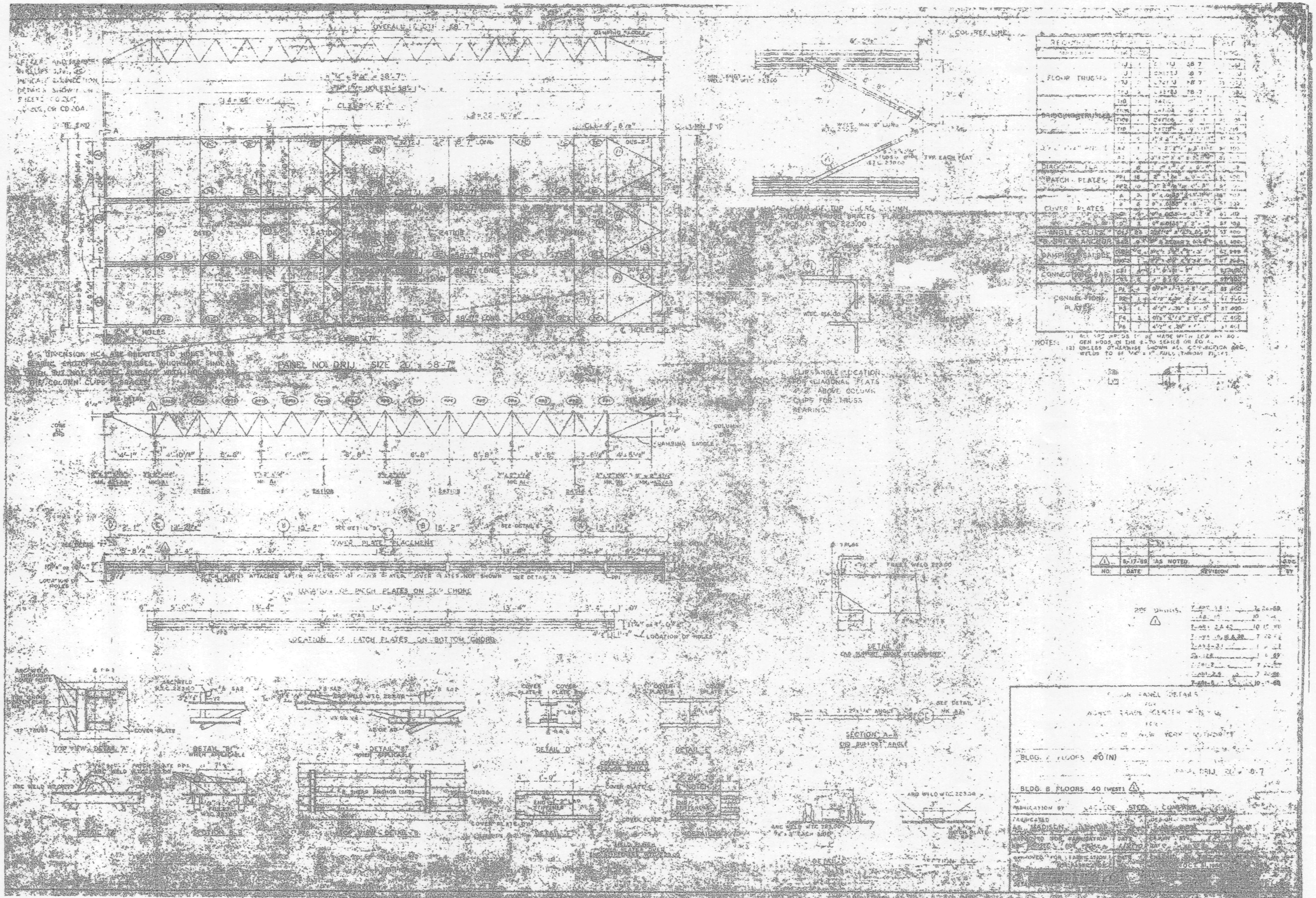
BLDG. A FLOORS 72-73 (N)

PANEL [illegible] 58'-3"

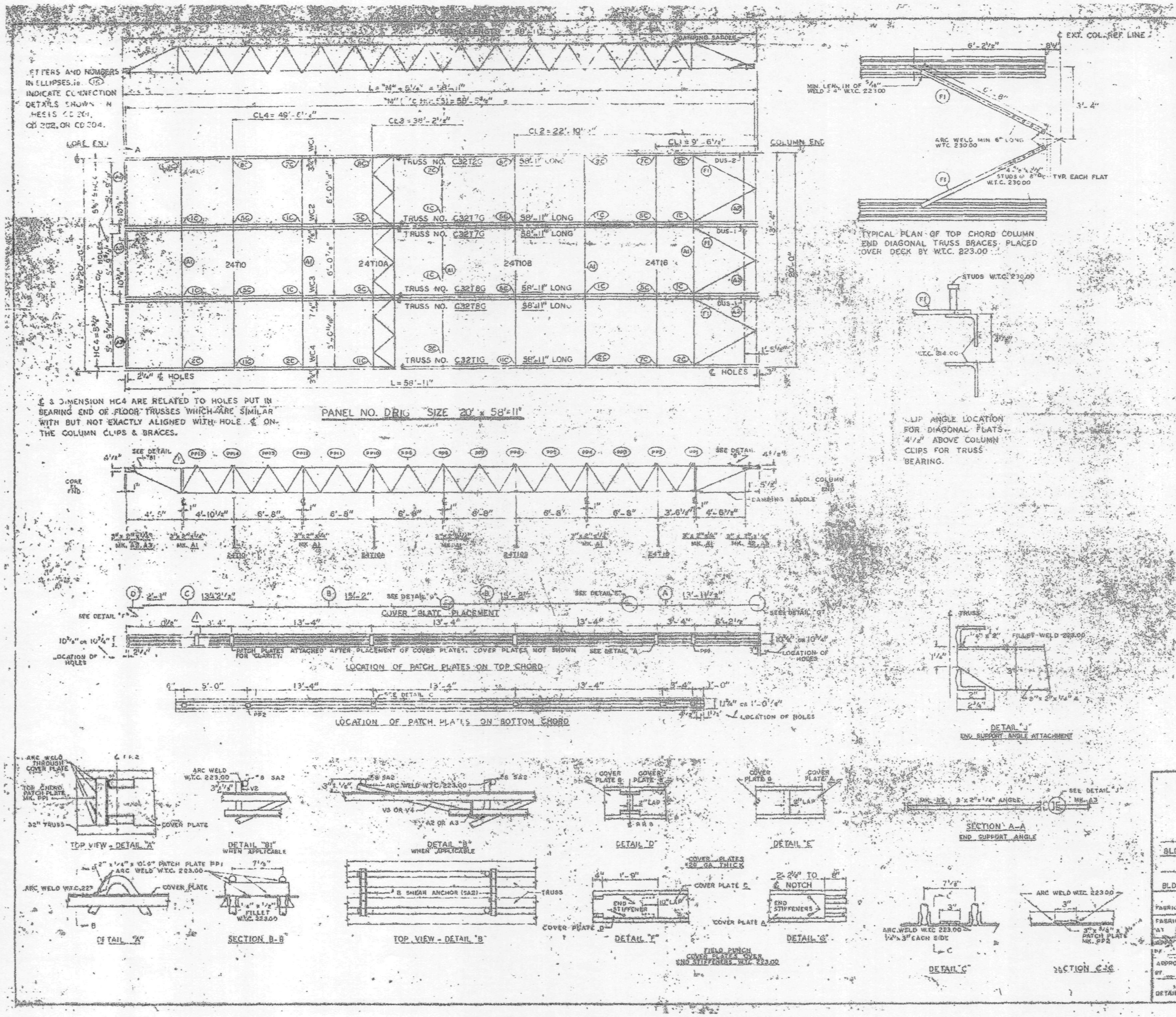
BLDG. B FLOORS 72-73 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-9 10-15-68	
APPROVED FOR FABRICATION [illegible] FOR P.O.N.Y.A	DATE [illegible]	DRAWN BY [illegible] DATE OCT 24, 1968	
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR	DATE	CHECKED BY [illegible] DATE OCT 24, 1968	IN CHARGE OF [illegible]
DETAILED BY [illegible]		FABRICATION CONT. NO. W.T.C. # 221	[illegible]



PANEL NO. DRIJ SIZE 20' x 58'-7"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL PLATES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
DAMPING SADDLE
TOP VIEW DETAIL "A"
DETAIL "B"
SECTION A-A
END SUPPORT ANGLE
AS NOTED
REVISION
BLDG. B FLOORS 40 (WEST)
BLDG. FLOORS 40 (N)
FABRICATION BY
MADISON
OCT. 31, 1968



REQUIRED MATERIAL PER PANEL				REF DRWGS
MATERIAL	MK	PC'S	SIZE	
FLOOR TRUSSES	T1G	1	C32T1G - 58'-11"	[illegible]
	T2G	1	C32T2G - 58'-11"	[illegible]
	T7G	2	C32T7G - 58'-11"	[illegible]
	T8G	2	C32T8G - 58'-11"	[illegible]
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	[illegible]
	T10A	1	24T10A - 19'-11"	[illegible]
	T10B	1	24T10B - 19'-11"	[illegible]
	T18	1	24T18 - 19'-11"	[illegible]
3" x 2" x 1/4" ANGLE	A1	3	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A3	2	[illegible]	[illegible]
DIAGONAL FLATS	F1	6	[illegible]	[illegible]
PATCH PLATES	PP1	18	[illegible]	[illegible]
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	6" x .0135" x 15'-2"	ST 303
	C	[illegible]	[illegible]	ST 303
	D	[illegible]	[illegible]	ST 302
ANGLE CLIPS	C1	[illegible]	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	[illegible]	[illegible]	ST 400
DAMPING SADDLE	DUS-2	2	[illegible]	ST 298
	DUS-1	1	[illegible]	ST 298
CONNECTION BAR	CB1	4	[illegible]	ST 400
	[illegible]	[illegible]	[illegible]	ST 400
CONNECTION PLATES	P1	[illegible]	[illegible]	ST 400
	P2	[illegible]	[illegible]	ST 400
	P3	[illegible]	[illegible]	ST 400
	P4	3	[illegible]	ST 400
	P8	[illegible]	[illegible]	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

NO.	DATE	
1	6-17-69	AS NOTED

REVISION

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11, 39 (NORTH) 39-40 (SOUTH) 1

BLDG B FLOORS 39 (EAST & WEST) 40 (EAST) 1

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT: MADISON, ILLINOIS

APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. DATE:

APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE:

DETAILED BY: [redacted]

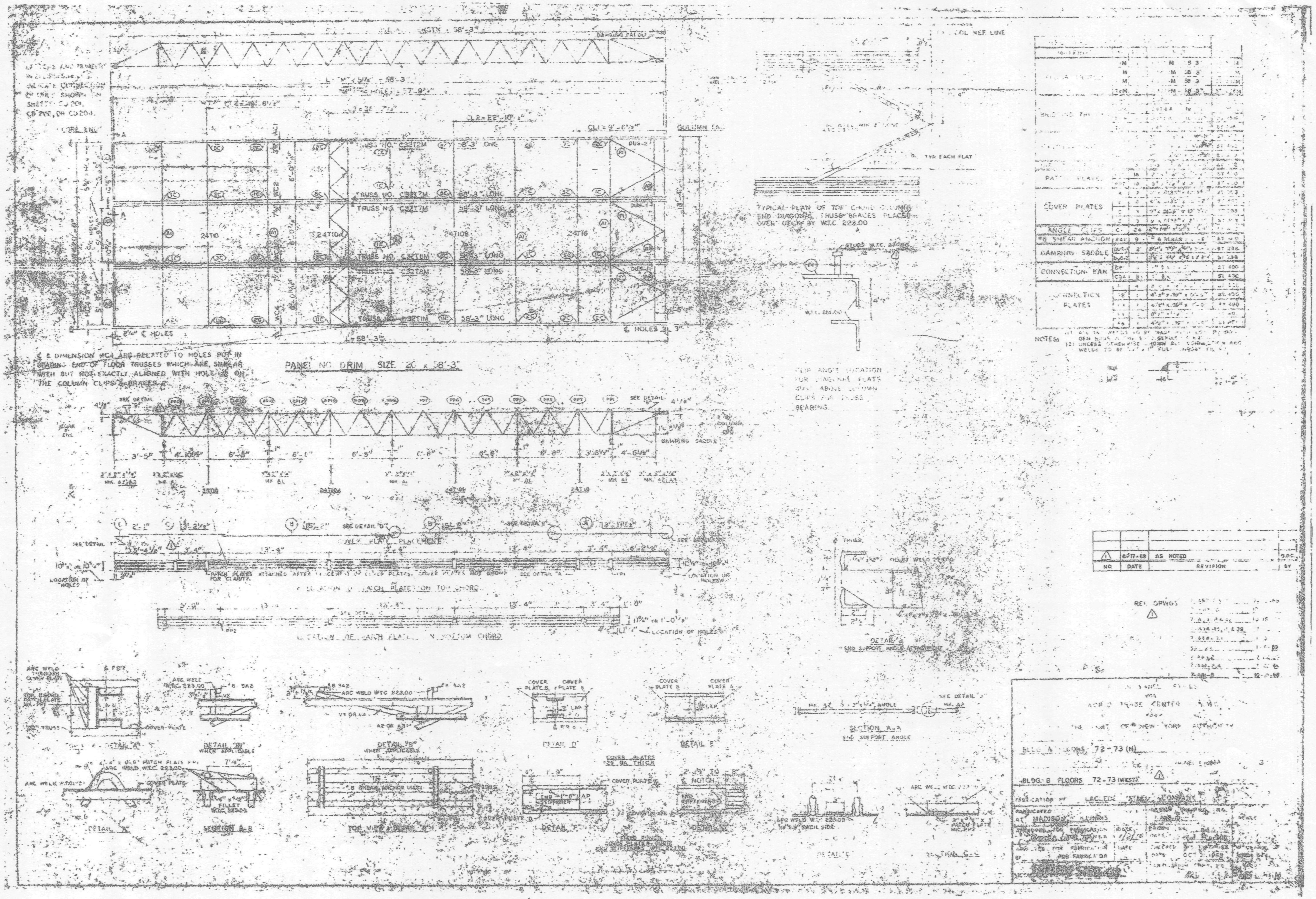
DESIGN DRAWING NO.: 7-AB3-10 A

DRAWN BY: [illegible] DATE: JULY 22, 1968

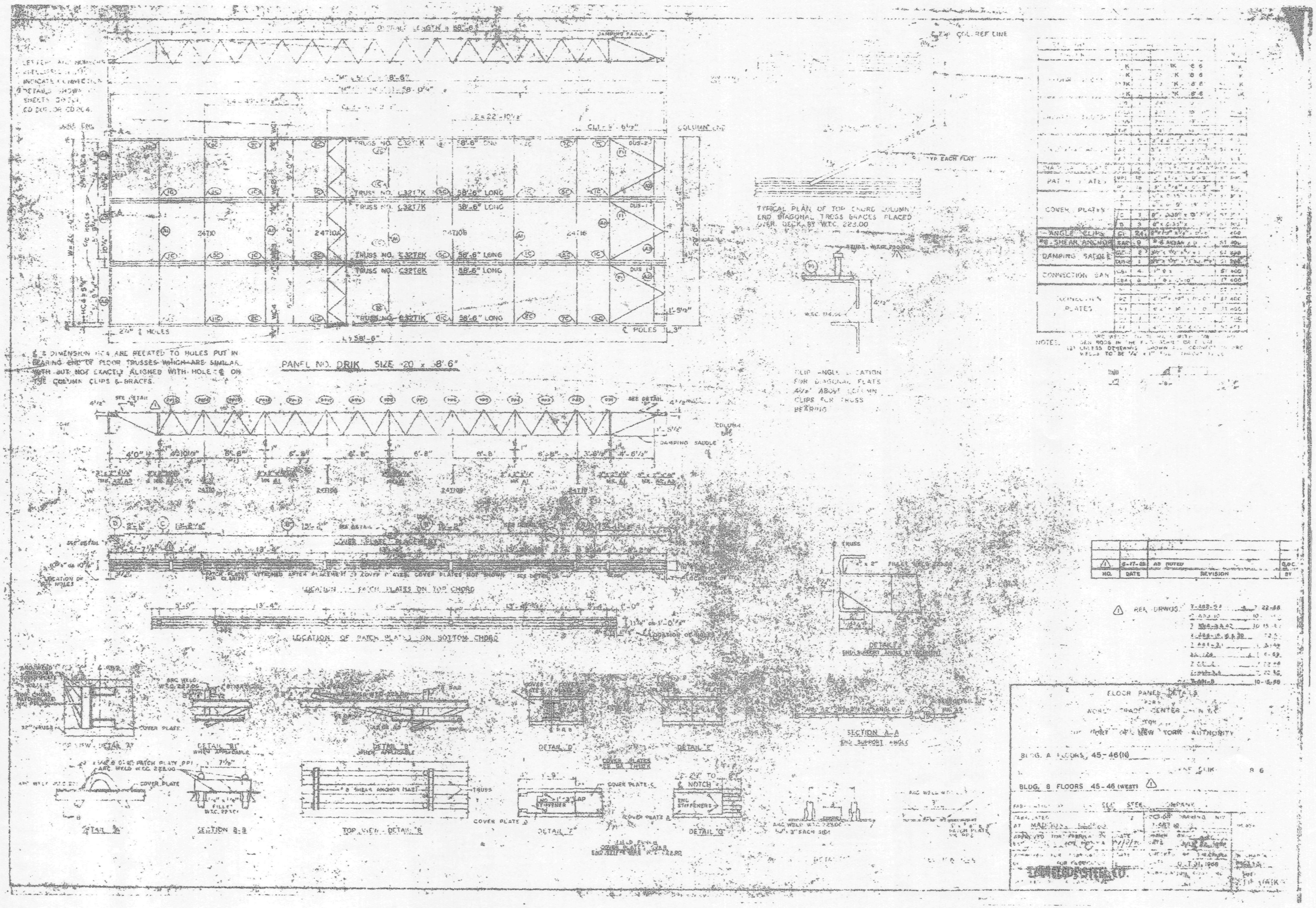
CHECKED BY: [illegible] DATE: JULY [illegible], 1968

FABRICATION CONT. NO.: W.T.C. 321

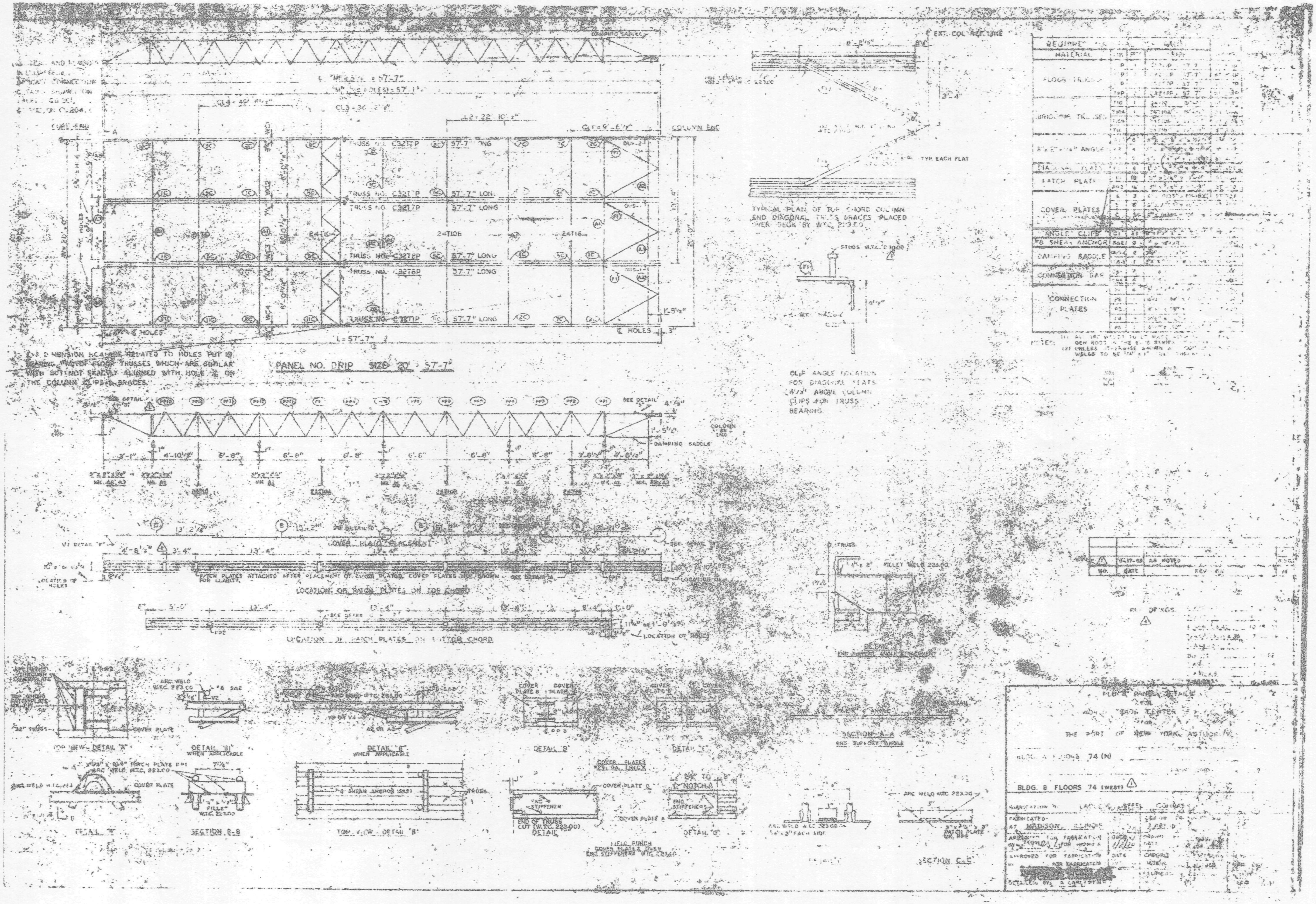
SHEET NO.: [illegible]

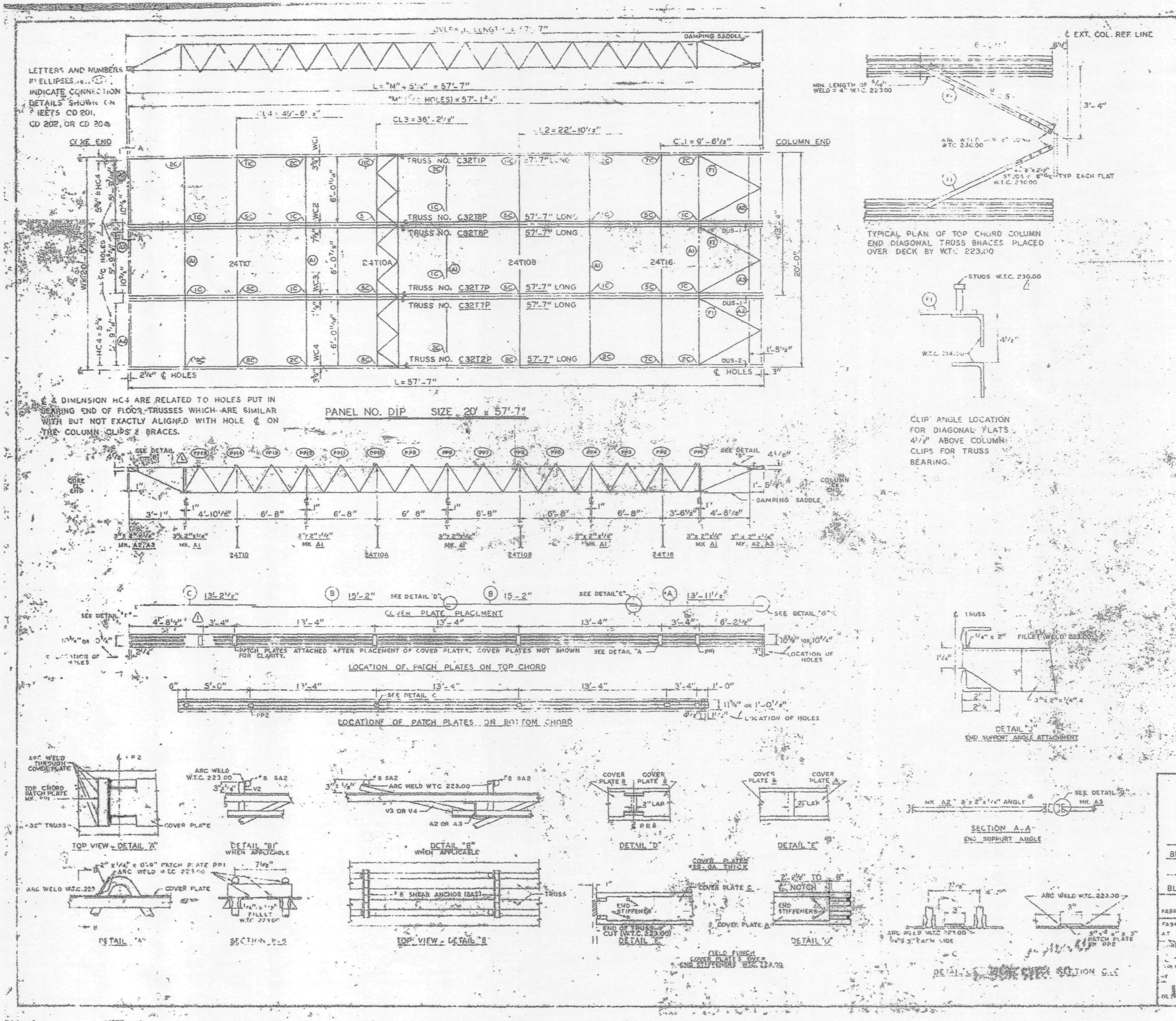


PANEL NO. DRIM SIZE 20' x 58'-3"
TRUSS NO. C32T2M
TRUSS NO. C32T7M
TRUSS NO. C32T1M
24T10
24T10A
24T10B
24T16
COLUMN END
CORE END
L=58'-3"
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
TYPICAL PLAN OF TOP CHORD @ COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES:
DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
SECTION B-B
SECTION C-C
END SUPPORT ANGLE ATTACHMENT
REF. DRWGS
NO.
DATE
REVISION
BY
6-17-69
AS NOTED
WORLD TRADE CENTER N.Y.C.
BLDG. A FLOORS 72-73 (N)
BLDG. B FLOORS 72-73 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
OCT 31, 1968



PANEL NO. DRIK SIZE 20' x 58'-6"
TRUSS NO. C32T7K 58'-6" LONG
TRUSS NO. C32T8K 58'-6" LONG
24T10
24T10A
24T10B
24T16
COLUMN
DAMPING SADDLE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL PLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
SECTION A-A
END SUPPORT ANGLE
DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
SECTION B-B
TOP VIEW - DETAIL "R"
NO. DATE REVISION
AS NOTED
REF. DRWGS.
10-15-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 45-46(N)
BLDG. B FLOORS 45-46 (WEST)
STEEL COMPANY
MADISON
OCT. 31, 1968


DAMPING SADDLE
COLUMN END
TRUSS NO. C32T1P 57'-7" LONG
TRUSS NO. C32T7P 57'-7" LONG
TRUSS NO. C32T8P 57'-7" LONG
L = 57'-7"
PANEL NO. DRIP SIZE 20' x 57'-7"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL PLATE
PATCH PLATE
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES:
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
FILLET WELD 223.00
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
REVISIONS
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "C"
SECTION A-A END SUPPORT ANGLE
COVER PLATES #20 GA. THICK
DETAIL "F"
SECTION B-B
TOP VIEW - DETAIL "B"
END OF TRUSS CUT (W.T.C. 223.00) DETAIL
DETAIL "G"
SECTION C-C
FLOOR PANEL DETAILS
THE PORT OF NEW YORK AUTHORITY
BLDG. B FLOORS 74 (WEST)
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION
DETAILED BY



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1P	1	C32T1P - 57'-7"	ST 201P
	T2P	1	C32T2P - 57'-7"	ST 202P
	T7P	2	C32T7P - 57'-7"	ST 207P
	T8P	2	C32T8A - 57'-7"	ST 208P
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3"x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅝"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅜" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 503
	B	6	9" x .0135" x 15'-2"	ST 503
	C	3	9" x .0135" x 13'-2½"	ST 503
ANGLE CLIPS	C1	24	2" x 2" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	C6	4	1" ɸ x 1'-3"	ST 400
	C6+	6	[illegible]	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 0'-8"	ST 400
	P2	1	4½" x .39" x [illegible]-6"	ST 400
	P3	1	4½" x .39" x [illegible]	ST 400
	P4	3	6½" x ⅛" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-8"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET

NO.	DATE	REVISION
1	8-10-69	AS NOTED

REF. DRWGS. 7-AB3-5 & 11; 7-AB1-8; 7-AB4-31; 7-AB4-15, 16 & 39; 7-AB4-42 & 3; SE-124; 7-AB1-2, 3 & 4; 7-AB1-5

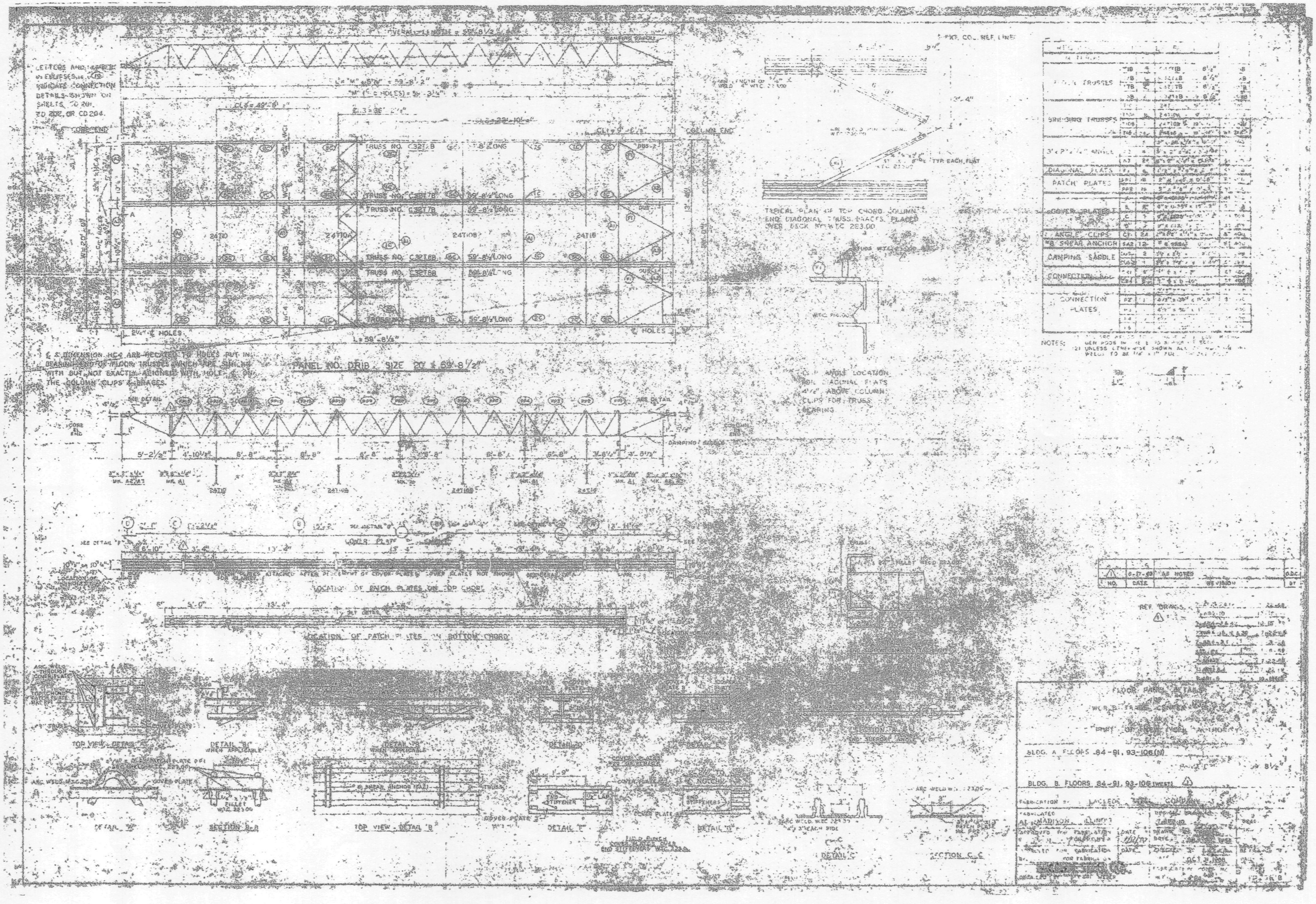
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

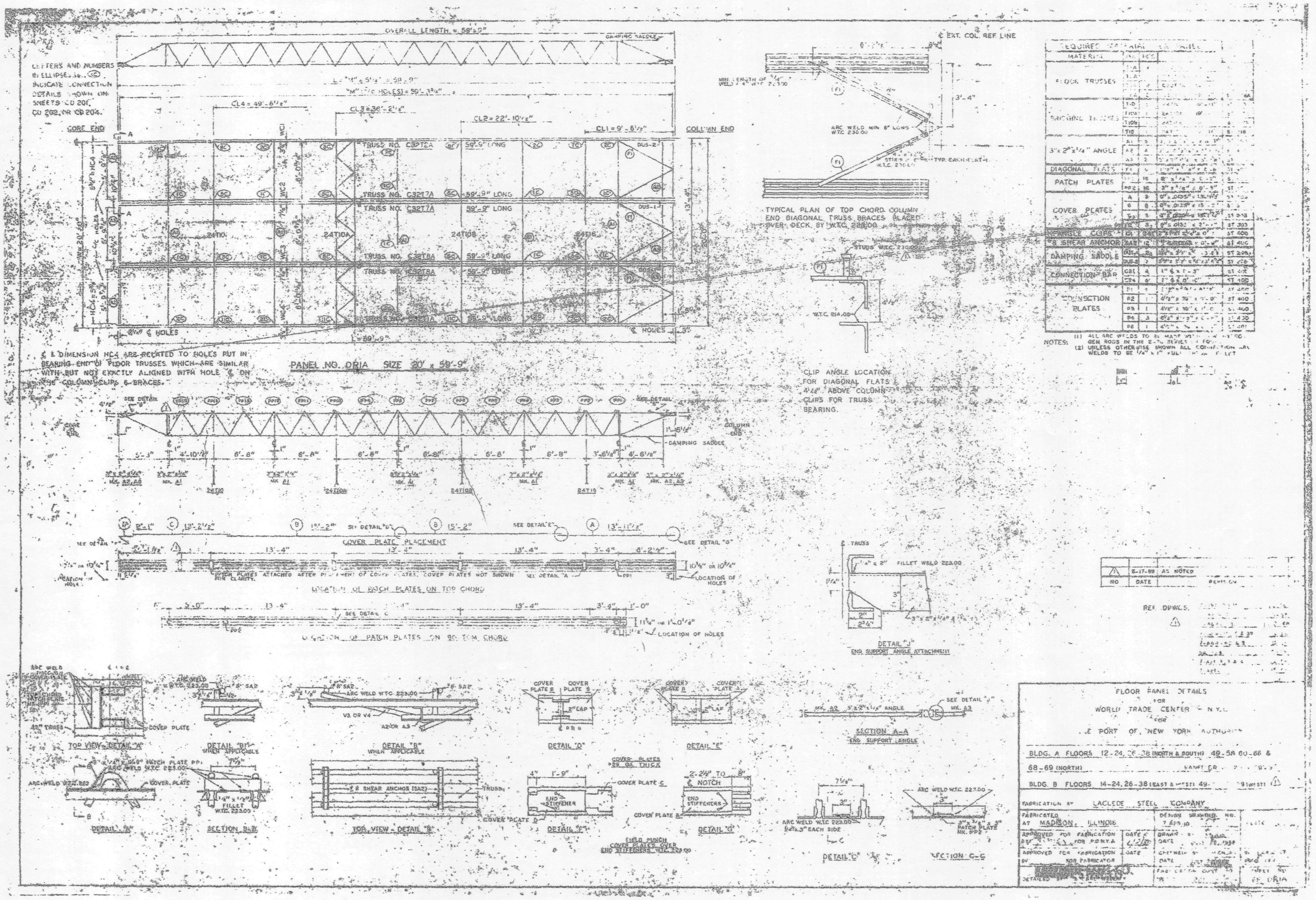
BLDG. A FLOORS 74 (N)

PANEL D1P

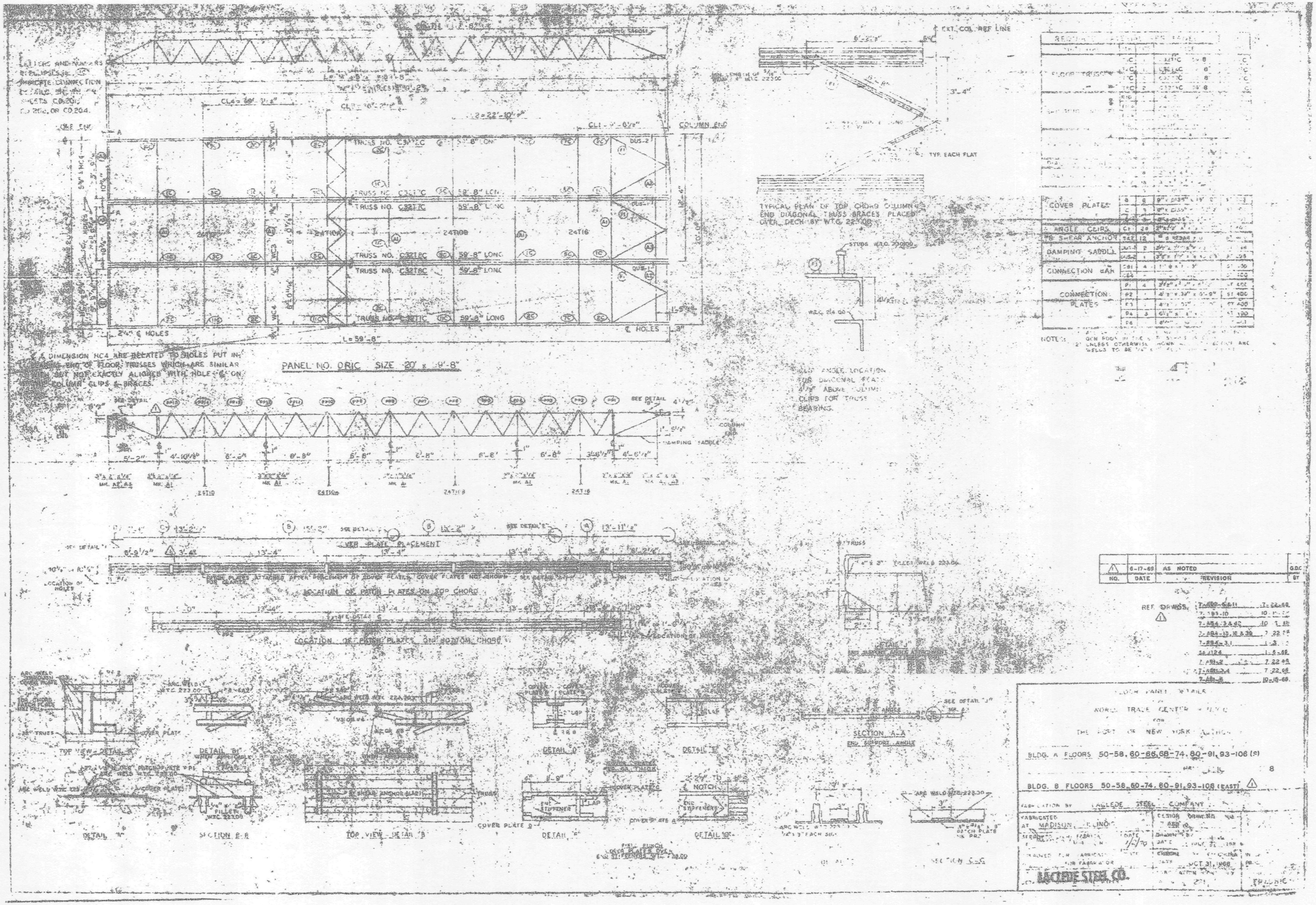
BLDG. B FLOORS 74 (WEST) ⚠1

FABRICATED BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9
DRAWN BY
DATE 24, 1969
CHECKED BY
FABRICATION CONTRACT NO. W.T.C. 221
SHEET NO. SD D1P
LACLEDE STEEL CO.
A. CARL WEBER

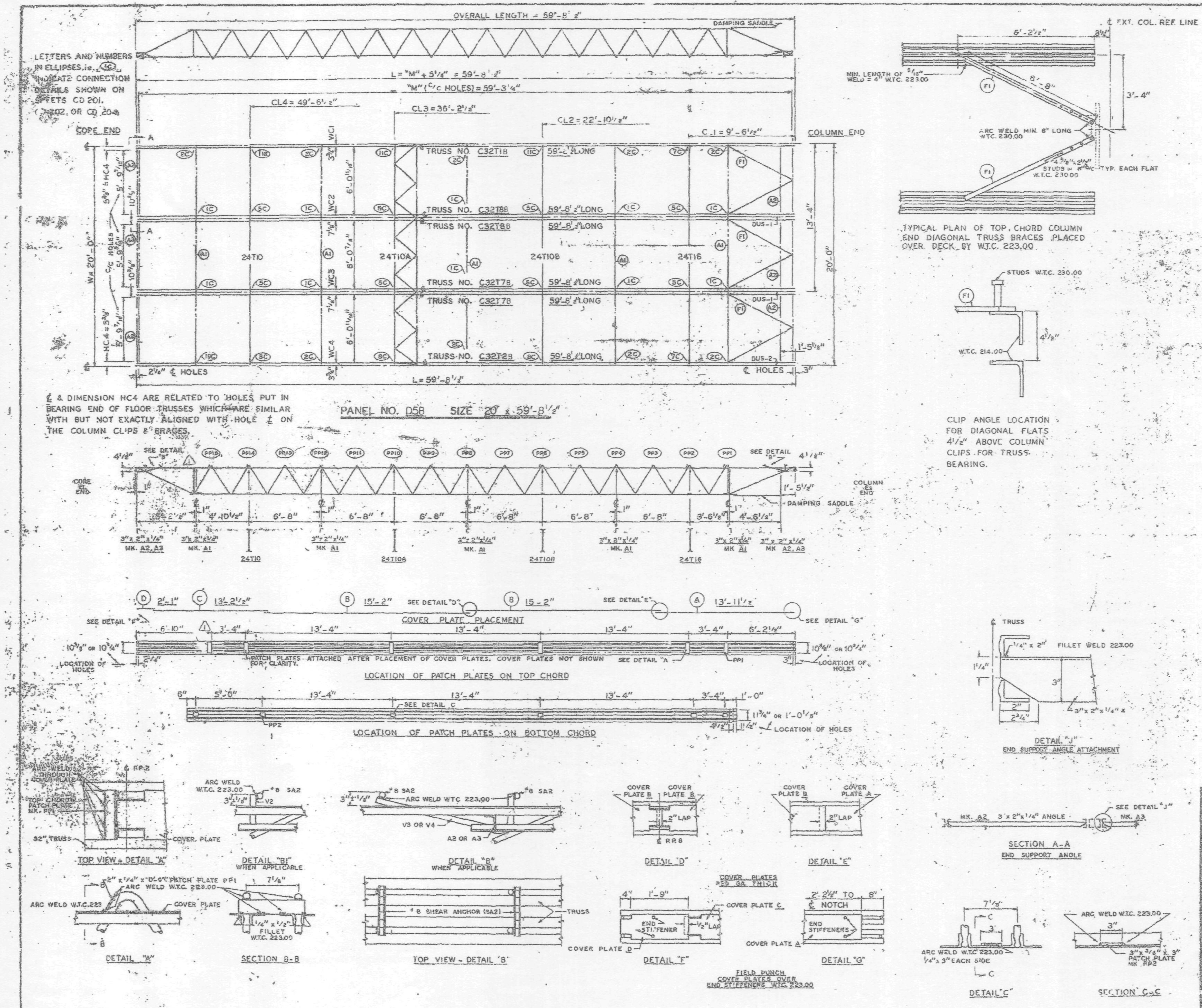

PANEL NO. DRIB, SIZE 20' x 59'-8 1/2"
TRUSS NO. C3218B
TRUSS NO. C3217B
TRUSS NO. C3216B
COLUMN END
CORE END
2 1/4" ℄ HOLES
L=59'-8 1/2"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES, PLACED OVER DECK
CLIP ANGLE LOCATION FOR DIAGONAL PLATES
DAMPING SADDLE
LOCATION OF PATCH PLATES ON BOTTOM CHORD
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL PLATES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION PLATES
NOTES:
REF. DRAGS.
TOP VIEW - DETAIL
DETAIL "B"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
SECTION C-C
FLOOR PANEL DETAILS
BLDG. A FLOORS 84-91, 93-106(N)
BLDG. B. FLOORS 84-91, 93-106 (WEST)
FABRICATION BY LACLEDE COMPANY
FABRICATED AT MADISON ILLINOIS
APPROVED FOR FABRICATION
DATE
OCT 31, 1968



OVERALL LENGTH = 59'-9"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES ... INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204.
CORE END
COLUMN END
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-6 1/2"
TRUSS NO. C32T7A 59'-9" LONG
TRUSS NO. C32T8A 59'-9" LONG
24T10
24T10A
24T108
24T16
PANEL NO. DRIA SIZE 20' x 59'-9"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
E EXT. COL. REF. LINE
ARC WELD MIN 6" LONG W.T.C. 230.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES:
(1) ALL ARC WELDS TO BE MADE WITH ... RODS IN THE E-70 SERIES ...
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL ... FILLET
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
FILLET WELD 223.00
8-17-69 AS NOTED
NO. DATE REVISION
REF. DRWGS.
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
COVER PLATES 3/8 GA THICK
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66 & 68-69 (NORTH)
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION FOR P.O.N.Y.A.
DRIA

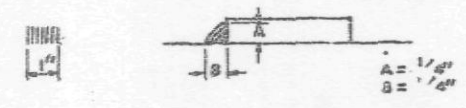


PANEL NO. DRIC SIZE 20' x 59'-8"
TRUSS NO. C32TC 59'-8" LONG
L= 59'-8"
COLUMN END
TYPICAL PLAN OF TOP CHORD COLUMNS END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
TYP. EACH FLAT
EXT. COL. REF LINE
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
SECTION A-A
END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "C"
DETAIL "D"
DETAIL "E"
DETAIL "F"
SECTION B-B
TOP VIEW - DETAIL "B"
SECTION C-C
6-17-69 AS NOTED
NO. DATE REVISION
REF. DRWGS.
7-AB4-13,16 & 39 7-22-68
7-AB1-B 10-15-68
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 50-58, 60-66, 68-74, 80-91, 93-106 (S)
BLDG. B FLOORS 50-58, 60-74, 80-91, 93-108 (EAST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DATE 1/2/70
OCT. 31, 1968
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8 1/2"	ST 201B
	T2B	1	C32T2B - 59'-8 1/2"	ST 202B
	T7B	2	C32T7B - 59'-8 1/2"	ST 207B
	T8B	2	C32T8B - 59'-8 1/2"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 2'-8"	ST 402
PATCH PLATES	PP	18	2" x 1/4" x 0'-6"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 288
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 5'-6 7/8"	ST 288
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P5	1	4 1/2" x .38" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	3-11-69	AS NOTED	G.D.C.

REF. DRWGS.

7-A82-6 & 11	7-22-68
7-A83-71	11-25-68
7-A84-3	10-15-68
7-A84-15 & 18	7-22-68
7-A84-42	10-11-68
SA-124	10-11-68
7-A81-[illegible]	10-15-68
7-A81-[illegible] & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

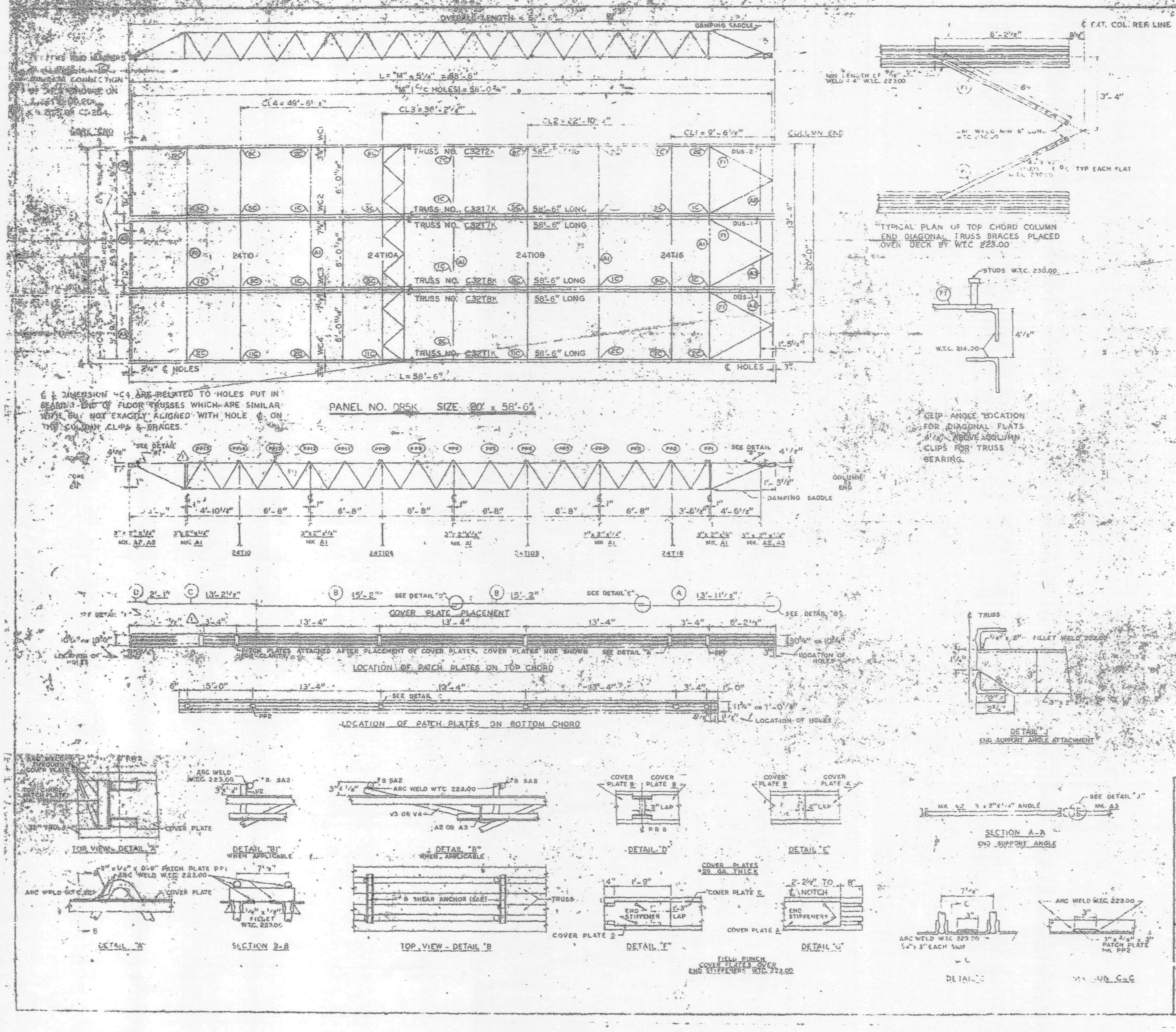
BLDG. A. FLOORS 83 (NORTH)

PANEL D58 - 20' x 59'-8 1/2"

BLDG. B FLOORS 83 (WEST) 2

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-71	PLATE
APPROVED FOR FABRICATION BY [signature] P.N.Y.A.	DATE [illegible]	DRAWN BY: G.C.C. DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JAN 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP 0°B



REQUIRED MATERIAL PER PANEL				REF. DWGS.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-[illegible]	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-[illegible]	ST [illegible]
	A2	4	3" x 2" x 1/4" x 5'-[illegible]	ST 303
	A3	2	3" x 2" x 1/4" x 5'-[illegible]	ST [illegible]
DIAGONAL FLATS	F1	8	1 1/2" x 3/8" x 8'-[illegible]	ST [illegible]
PATCH PLATES	PP1	18	2" x 1/4" x [illegible]'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	3	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/8" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/4"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/4"	ST 298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
	CB4	6	3/4" Ø x [illegible] 10"	ST 400
CONNECTION PLATES	P1	4	3/8" x 9/16" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	8 1/2" x 1/2" x 0'-8	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

NO.	DATE	REVISION
2	7-1-69	AS NOTED
1	3-11-69	AS NOTED

REF DRWGS.

7-AB3-5 & 11	7-2-68
7-AB3-[illegible]	[illegible]-25-68
7-AB4-3	10-15-68
7-AB4-16 & 18	[illegible]-26-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 [illegible] 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 & 46 (SOUTH)

PANEL DR5K

BLDG. B FLOORS 45 & 46 (EAST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-[illegible] 4-1-68

PLATE

APPROVED FOR FABRICATION BY [illegible] FOR PNYA — DATE 7/2/70

DRAWN BY [illegible] — DATE JAN 14 1969

APPROVED FOR FABRICATION BY [illegible] — DATE

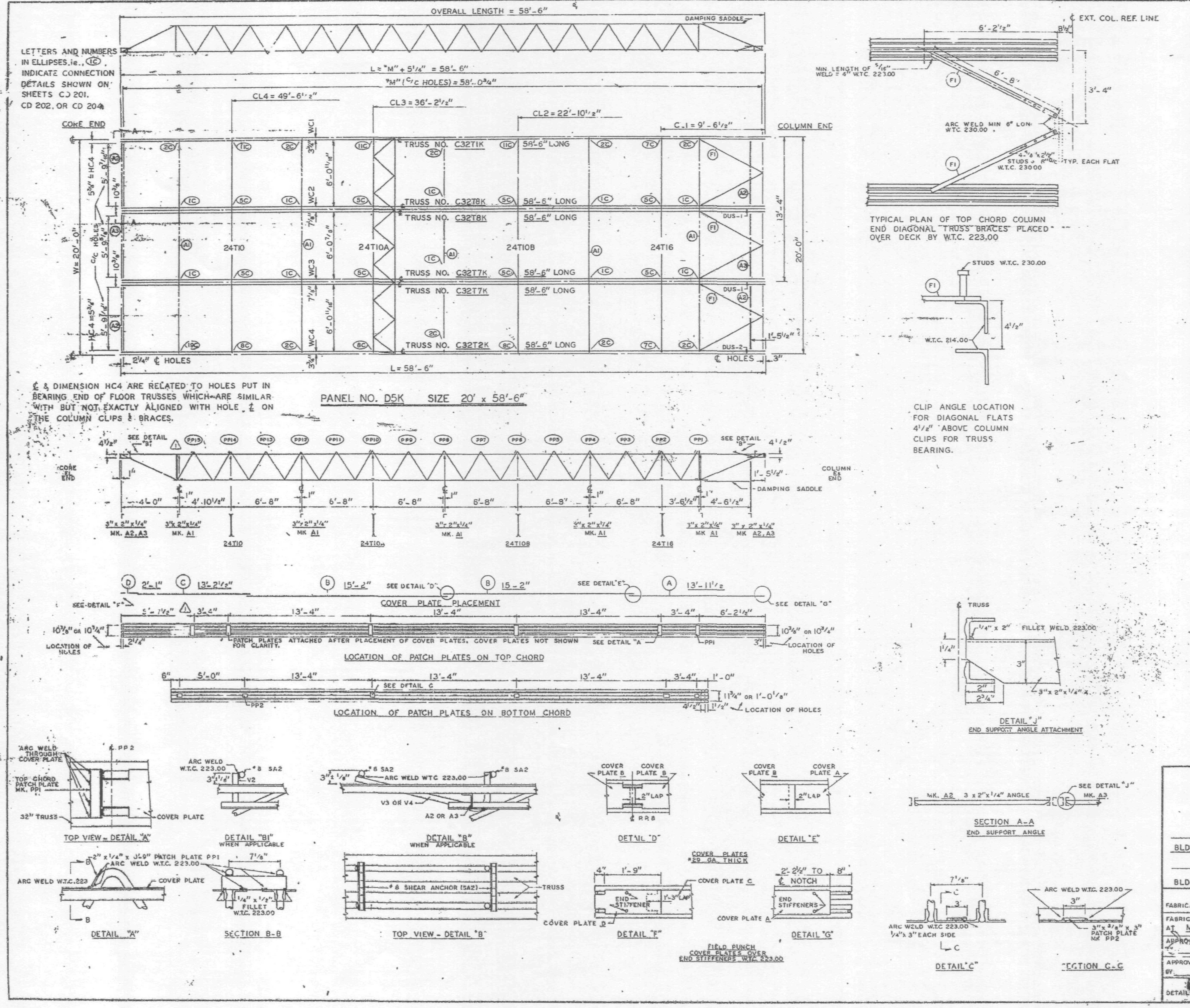
CHECKED BY T.M.CHIRA — DATE [illegible] 14 1969

IN CHARGE OF PROD. [illegible]

DETAILED BY CARL WEBER

FABRICATION CONT. NO. [illegible] 221

SHEET NO. FP DR5K



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x C 9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	[illegible]	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0-8"	ST 400
	P6	1	4 1/2" x .38" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D
1	3-11-69	AS NOTED	G.D

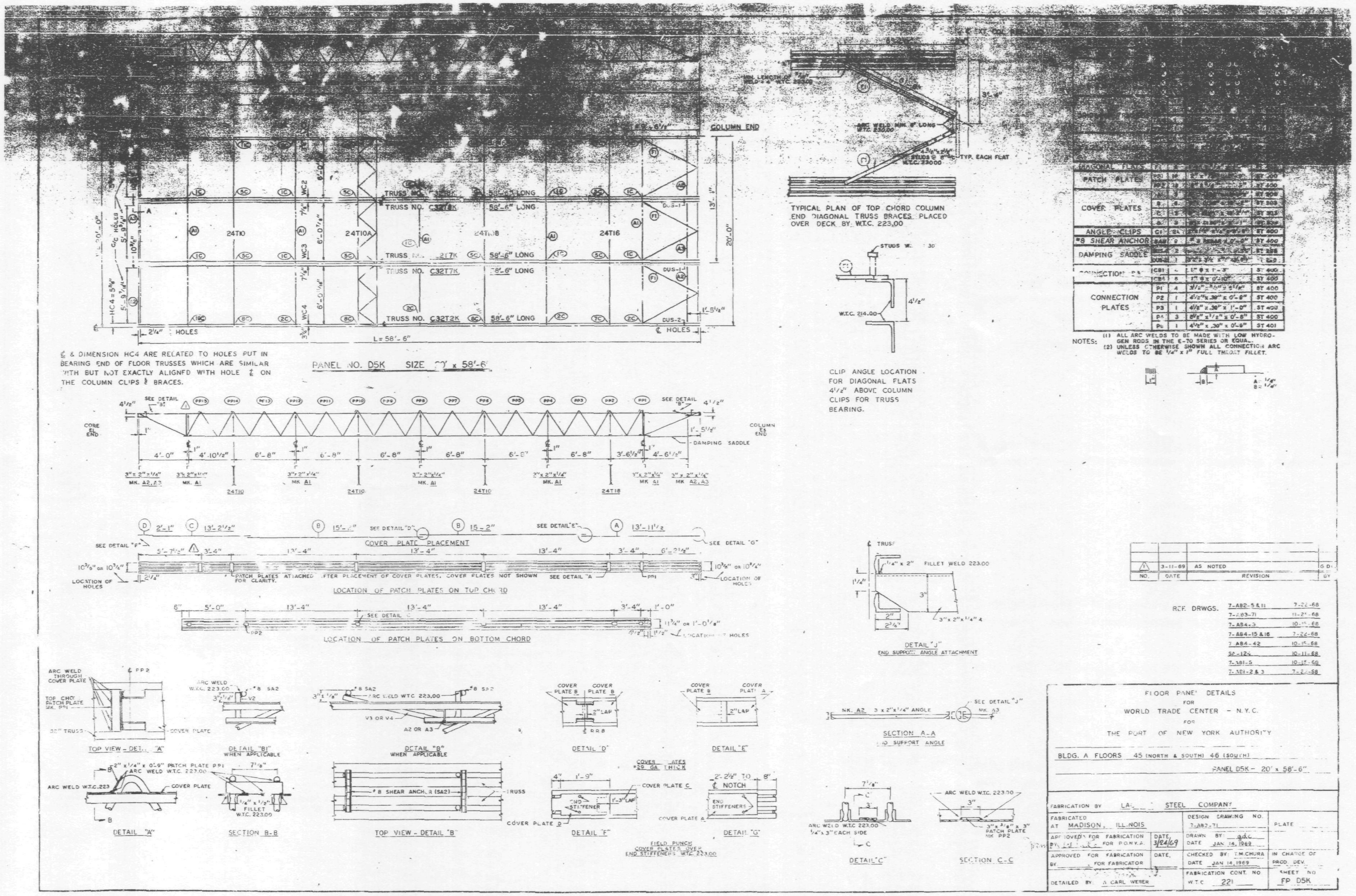
REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7 AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

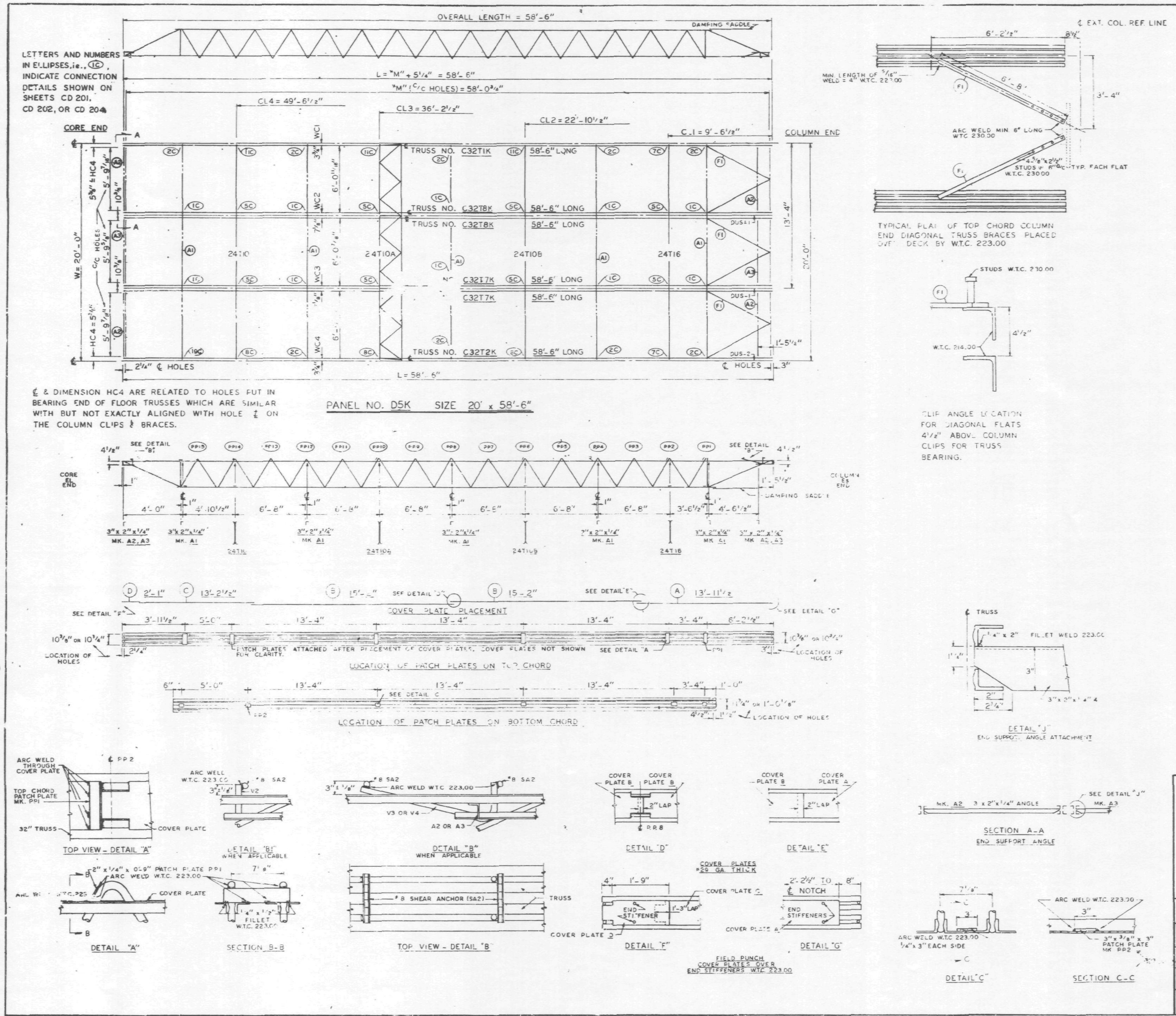
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)
PANEL D5K 20 x 58'-6"
BLDG. B FLOORS 45 (EAST & WEST) 46 (EAST) 2

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-71
PLATE
APPROVED FOR FABRICATION FOR P.N.Y.A. DATE
DRAWN BY: gdc DATE JAN 14, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY: T.M.CHURA DATE JAN 14, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY
FABRICATION CONT NO W.T.C 221
SHEET NO FP D5K



PANEL NO. D5K
L = 58'-6"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
REF. DRWGS.
7-AB4-3 10-15-68
7-AB4-15 & 16 7-22-68
7-AB4-42 10-15-68
SC-124 10-11-68
7-AB1-5 10-15-68
7-AB1-2 & 3 7-22-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)
PANEL D5K - 20' x 58'-6"
FABRICATION BY LA[illegible] STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB2-71
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 3/24/69
DRAWN BY: gdc DATE JAN 14, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY: T.M. CHURA DATE JAN 14, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP D5K



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅜"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅜"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	[illegible]	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

REF. DRWGS.

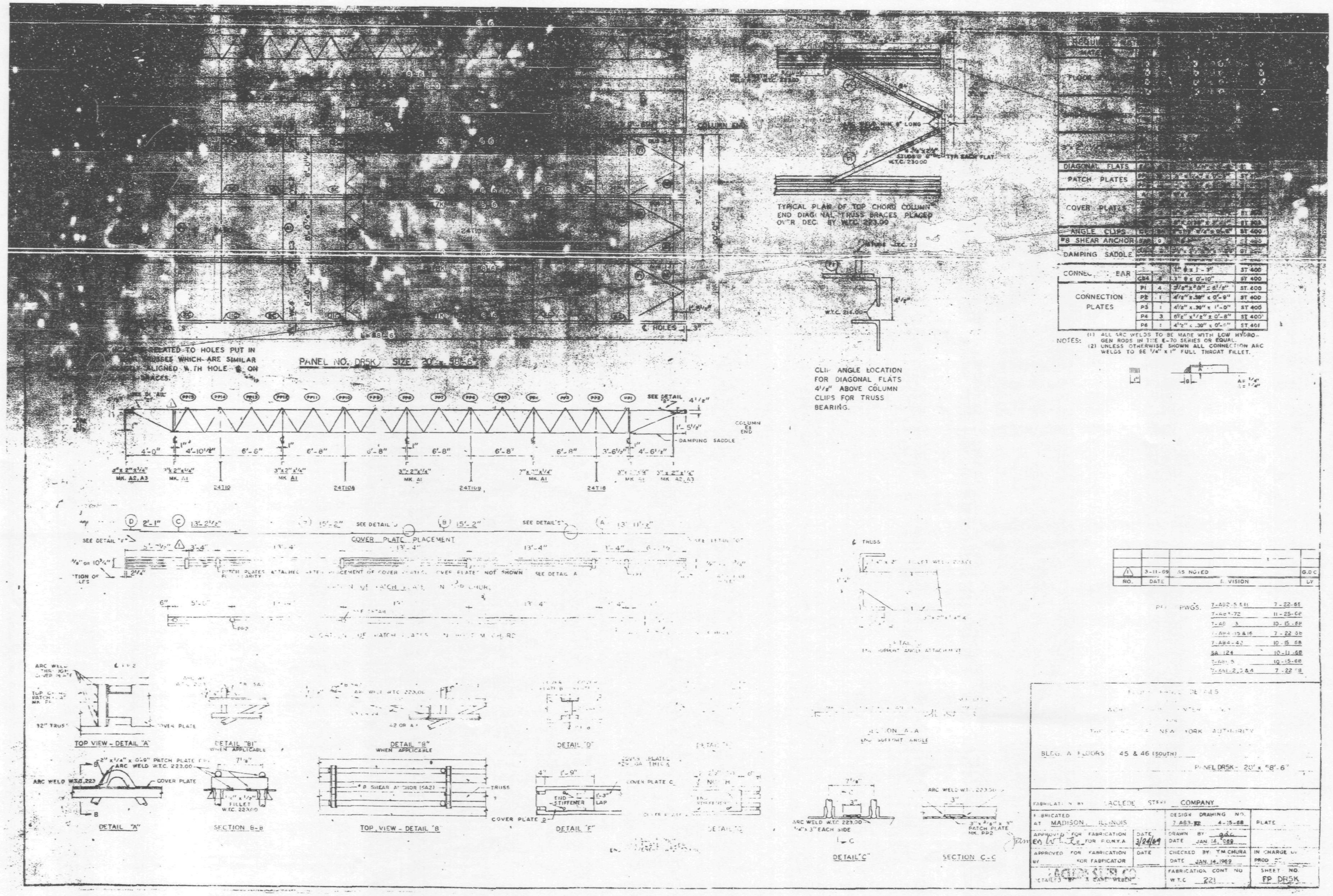
7-AB2-5 & 11	7-24-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-24-68
7-AB4-42	10-15-68
SC-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-24-68

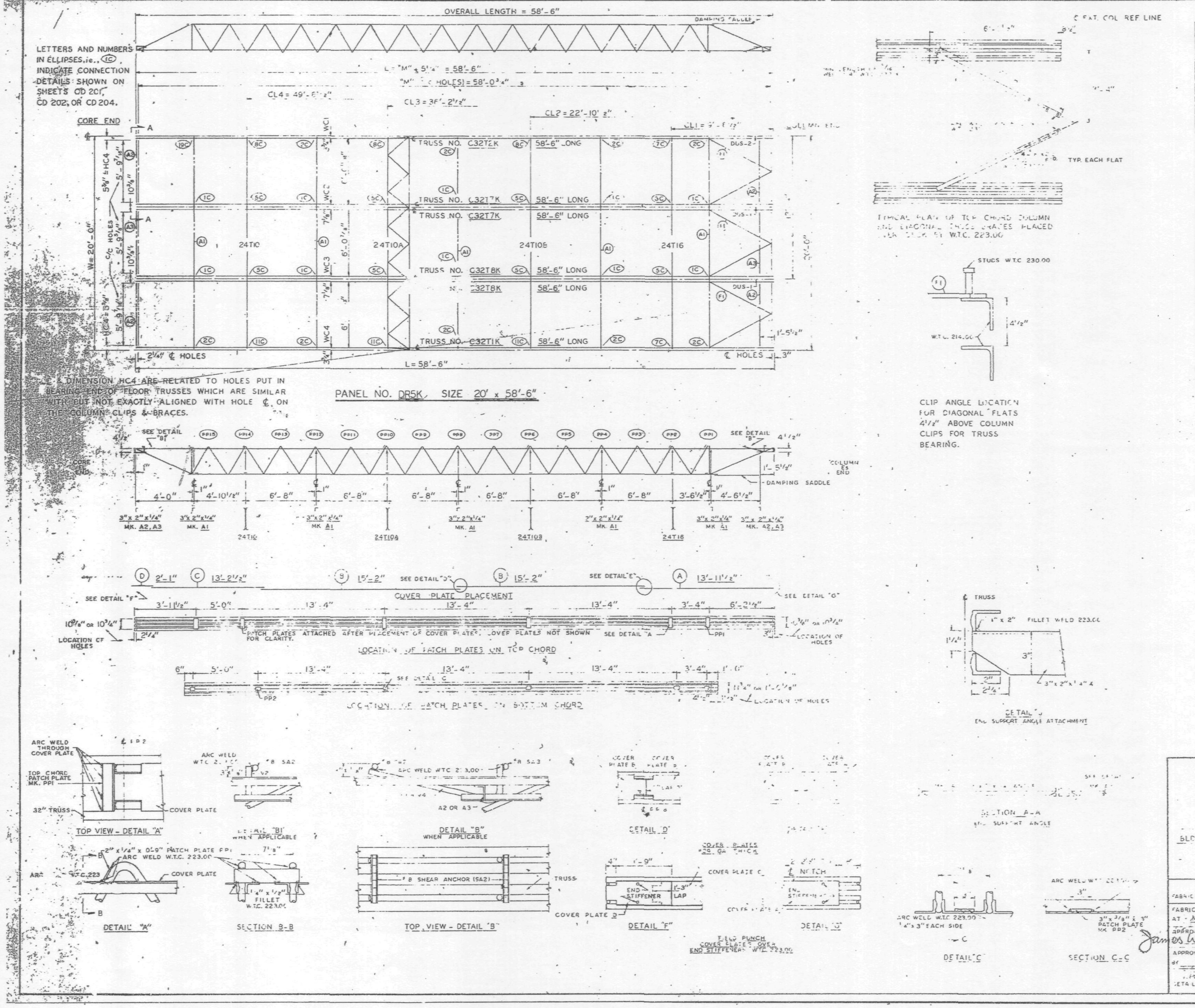
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)
PANEL D5K - 20' x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A.	DATE 2/4/69	DRAWN BY gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5K


TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DEC. BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
PANEL NO. DR5K SIZE 20' x 58'-6"
DAMPING SADDLE
COVER PLATE PLACEMENT
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
CB4
P1 4 3 1/2" x 2 1/2" x 8 1/2" ST 400
P2 1 4 1/2" x .39" x 0'-9" ST 400
P3 1 4 1/2" x .39" x 1'-0" ST 400
P4 3 6 1/2" x 1/2" x 0'-8" ST 400
P6 1 4 1/2" x .39" x 0'-6" ST 401
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
A = 1/4"
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "E"
DETAIL "C"
SECTION C-C
SECTION A-A
#8 SHEAR ANCHOR (SA2)
ARC WELD W.T.C. 223.00
PATCH PLATE MK. PP2
REVISION
7-AB4-15 & 16 7-22-68
7-AB4-42 10-15-68
SA 124 10-11-68
7-AB1-2, 3 & 4 7-22-68
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 45 & 46 (SOUTH)
PANEL DR5K - 20' x 58'-6"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3 4-15-68
PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A DATE 3/24/69
DRAWN BY gdc DATE JAN. 14, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY: T.M. CHURA DATE JAN. 14, 1969
IN CHARGE OF PROD.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP DR5K



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
[illegible] ANGLES	A	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅜"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅜"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8, REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 0'-6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2,3 & 4	7-22-68

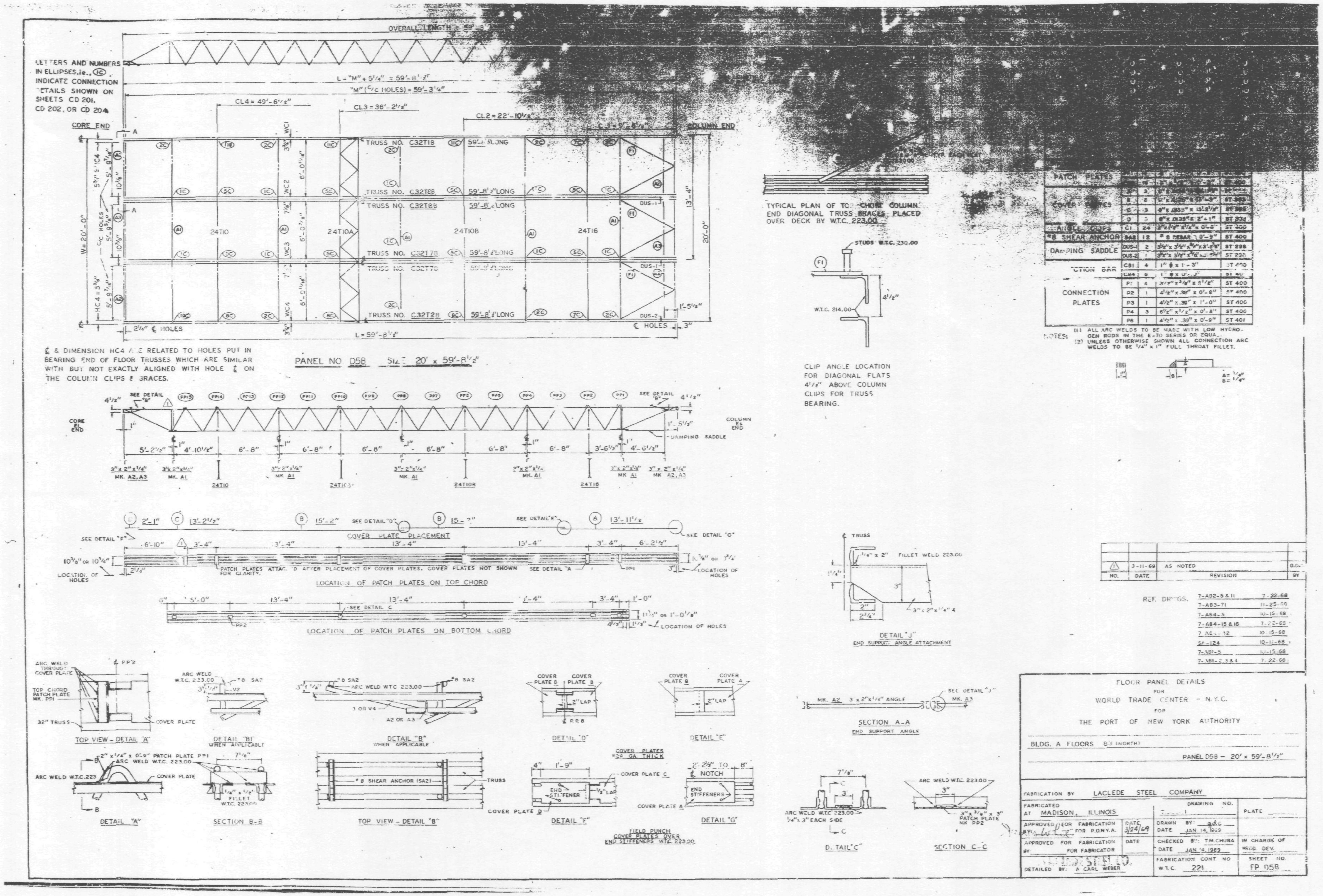
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

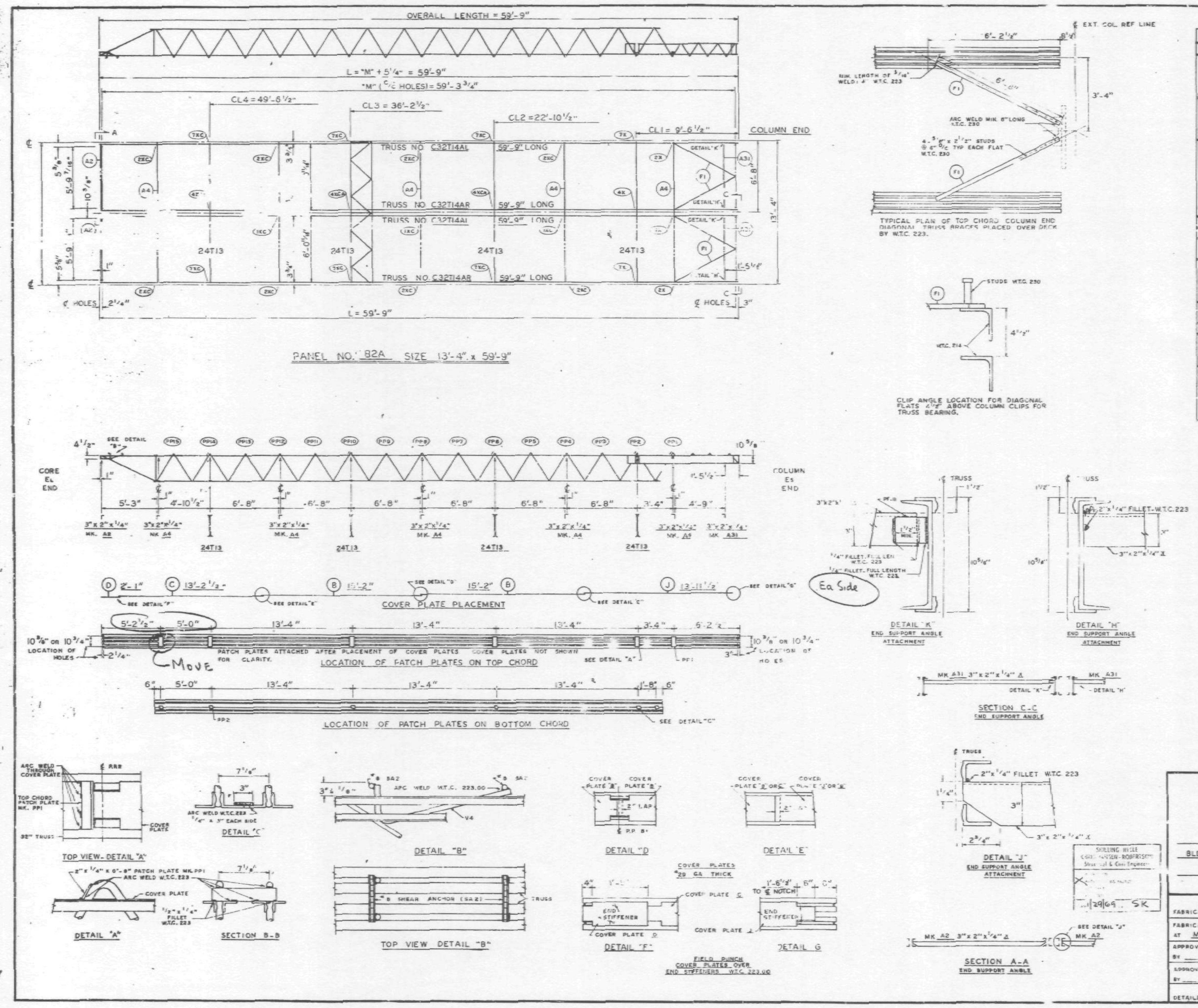
BLDG. A FLOORS 45 & 46 (SOUTH)

PANEL DR5K - 20' x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-72 4-15-68	PLATE
APPROVED FOR FABRICATION James White FOR P.N.Y.A. DATE 2/4/69	DRAWN BY gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV
DETAILED BY CARL WEBER	FABRICATION CONT. NO W.T.C. 221	SHEET NO. FP DR5K


OVERALL LENGTH = 59'-8"
LETTERS AND NUMBERS IN ELLIPSES, ie., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
L = "M" + 5 1/4" = 59'-8 1/2"
"M" (C/C HOLES) = 59'-3 1/4"
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/8"
CL2 = 22'-10 1/2"
CORE END
COLUMN END
TRUSS NO. C32T18 59'-8 1/2" LONG
TRUSS NO. C32T88 59'-8 1/2" LONG
TRUSS NO. C32T78 59'-8 1/2" LONG
TRUSS NO. C32T28 59'-8 1/2" LONG
24T10
24T10A
24T10B
24T16
W = 20'-0"
20'-0"
13'-4"
L = 59'-8 1/2"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D58 SIZE 20' x 59'-8 1/2"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
PATCH PLATES
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION PLATES
C1 24 ST 400
SA2 12 # 8 REBAR x 0'-9" ST 400
DUS-1 2 ST 298
DUS-2 1 ST 298
CB1 4 1" ϕ x 1'-3" ST 400
P1 4 3 1/2" x 3/8" x 8 1/2" ST 400
P2 1 4 1/2" x .39" x 0'-6" ST 400
P3 1 4 1/2" x .39" x 1'-0" ST 400
P4 3 6 1/2" x 1/2" x 0'-8" ST 400
P6 1 4 1/2" x .39" x 0'-9" ST 401
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
A = 1/4"
B = 1/4"
CORE END
COLUMN END
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TRUSS
FILLET WELD 223.00
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
3-11-69 AS NOTED
NO. DATE REVISION BY
REF. DRWGS.
7-AB2-5 & 11 7-22-68
7-AB3-71 11-25-68
7-AB4-3 10-15-68
7-AB4-15 & 16 7-22-68
7-AB-12 10-15-68
SA-124 10-11-68
7-AB1-5 10-15-68
7-AB1-2, 3 & 4 7-22-68
TOP VIEW - DETAIL "A"
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
COVER PLATES #24 GA THICK
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
DETAIL "G"
DETAIL "C"
SECTION C-C
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 83 (NORTH)
PANEL D58 - 20' x 59'-8 1/2"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DRAWING NO.
PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.
DATE 3/24/69
DRAWN BY: gdc
DATE JAN 14, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR
DATE
CHECKED BY: T.M.CHURA
DATE JAN 14, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP D58



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	ST 213
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 3/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
	A31	2	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" 2'-1"	ST 303
	J	2	9" x .0135 13'-11 1/2"	ST 204
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SAC	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
	CB	1	1" ø x 1'-7	
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400
	P8	4	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWG.

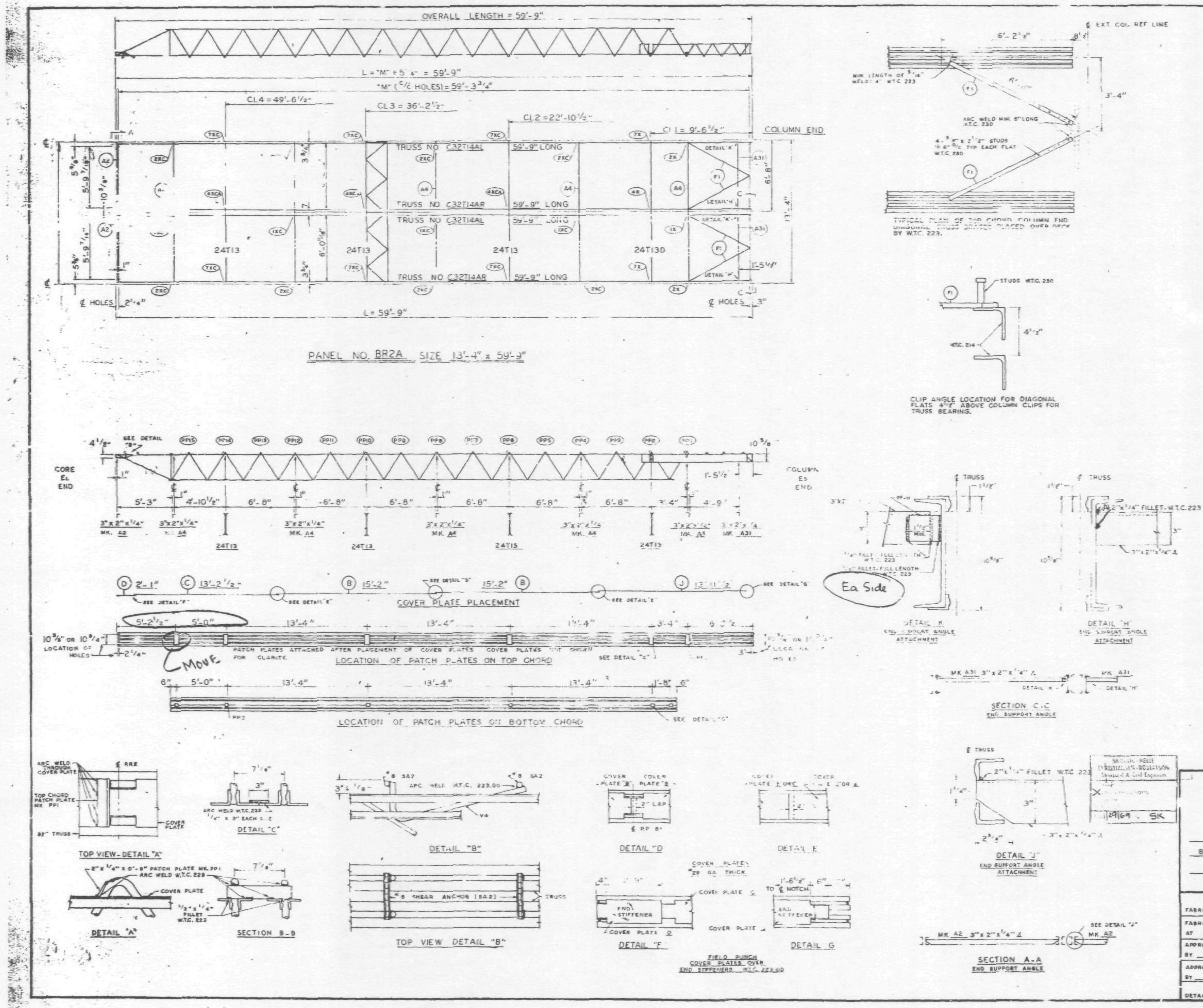
7-A83-28	10-4-68
7-A81-13	10-4-68
7-A82-8	7-22-68
7-A84-28	7-22-68
SA-124	10-11-68
7-A83-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL 82A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7-A83-26 PLATE
APPROVED FOR FABRICATION BY ______ FOR PONYA DATE
DRAWN BY [illegible] DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP 82A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	ST 213
	T130	1	24T130 x 13'-3"	ST 2130
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
	A31	2	3" x 2" x 1/4" x 5'-6 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	[illegible]	[illegible]	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .013[illegible] x 13'-[illegible]	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .2[illegible]" x 8"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	(34)	1" ø x 1'-3"	ST 400
	CB	1	1" ø x 1'-7	
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400
	P8	4	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.		
	7-AB3-27	10-4-68
	7-AB1-13	10-4-68
	7-AB2-8	7-22-68
	7-AB4-28	7-22-68
	SA-124	10-11-62
	7-AB3-24	8-15-68

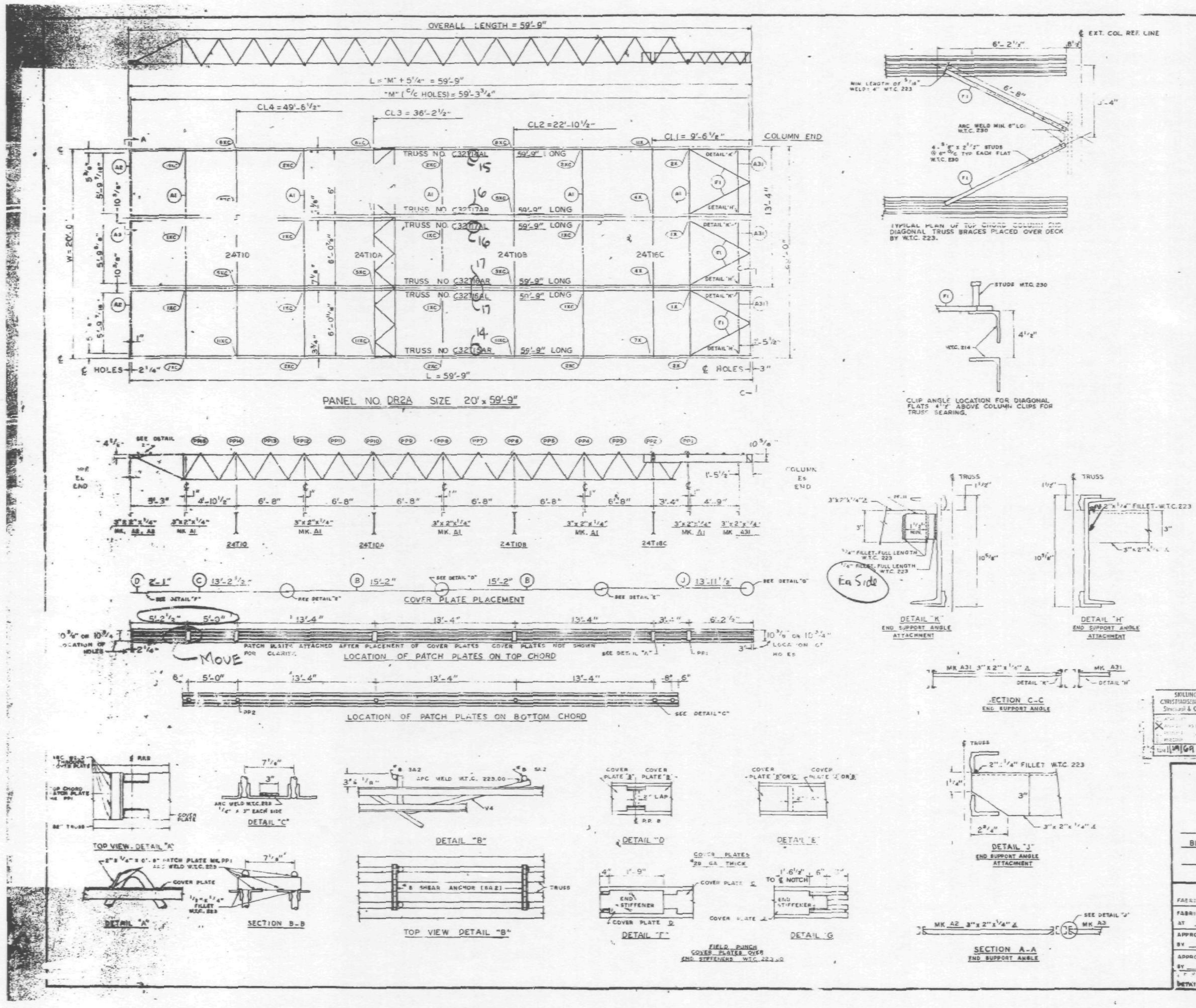
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL BR2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-2	PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.A. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP BR2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	1	C32T14AL x 59'-9"	ST 214AL
	T15AR	1	C32T15AR x 59'-9"	ST 215AL
	T16AL	1	C32T16AL x 59'-9"	ST 216AL
	T16AR	1	C32T16AR x 59'-9"	
	T17AL	1	C32T17AL x 59'-9"	ST 217AL
	T17AR	1	C32T17AR x 59'-9"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	ST 210C
	T10A	1	24T10A x 19'-11"	ST 210D
	T10B	1	24T10B x 19'-11"	ST 210E
	T16C	1	24T16C x 19'-11"	ST 216B
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 3/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/16"	ST 410
CLOSURE PLATES	PF-111	3	3" x 1/4" x 0'-2 7/16"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 5/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ⌀ x 1'-3"	ST 400
	CB4	6	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	8 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	8	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 2., 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

SKILLING-HELLE CHRISTIANSEN-ROBERTSON Structural & Civil Engineers
DATE 1/29/69 JK

REF. DRWG.		
	7-AB3-31	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB1-14, 15 & 16	10-4-68
	7-AB2-13	10-4-68
	7-AB2-17	10-4-68
	SA-124	10-11-68

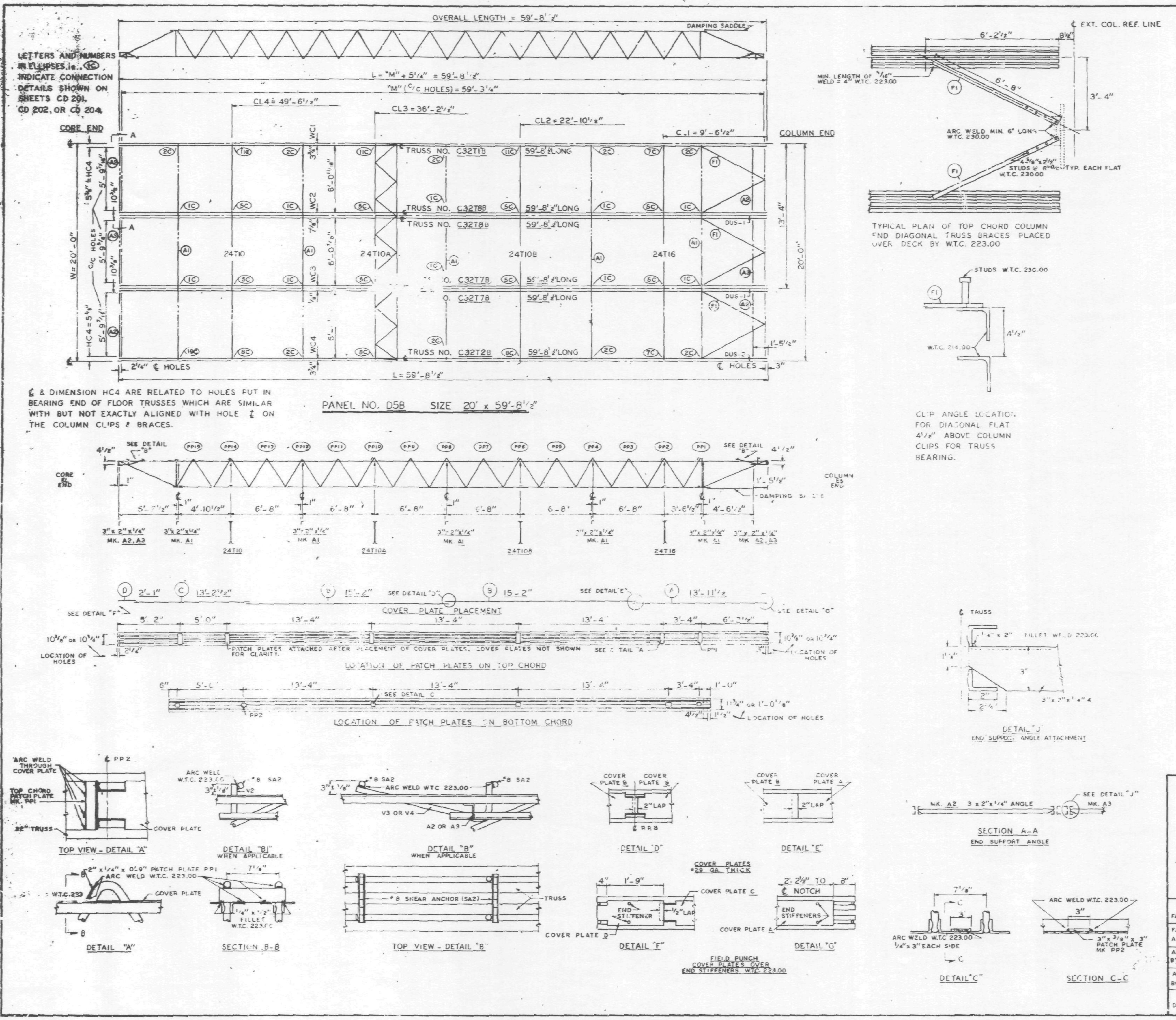
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL DR2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-31	PLATE
APPROVED FOR FABRICATION BY ______ FOR PONYA	DATE	DRAWN BY [signature] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. HEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP DR2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8 1/2"	ST 201B
	T2B	1	C32T2B - 59'-8 1/2"	ST 202B
	T7B	2	C32T7B - 59'-8 1/2"	ST 207B
	T8B	2	C32T8B - 59'-8 1/2"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
DIAGONAL FLATS	F1	8	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	15	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2,3 & 4	7-22-68

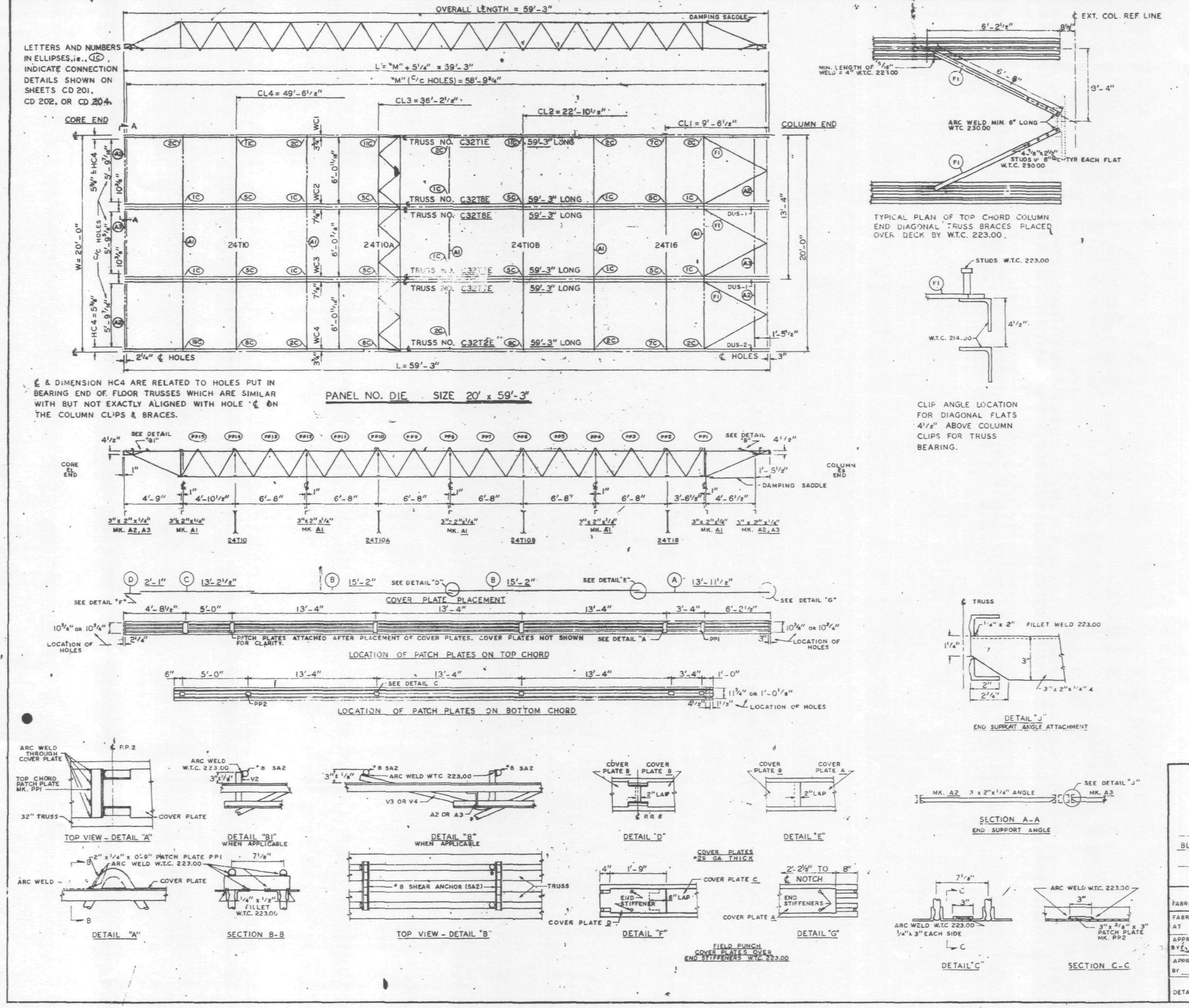
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83 (NORTH)

PANEL D5B — 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A	DATE 2/4/69	DRAWN BY gdc DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DA. JAN 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5B



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST-400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
a = 1/4"

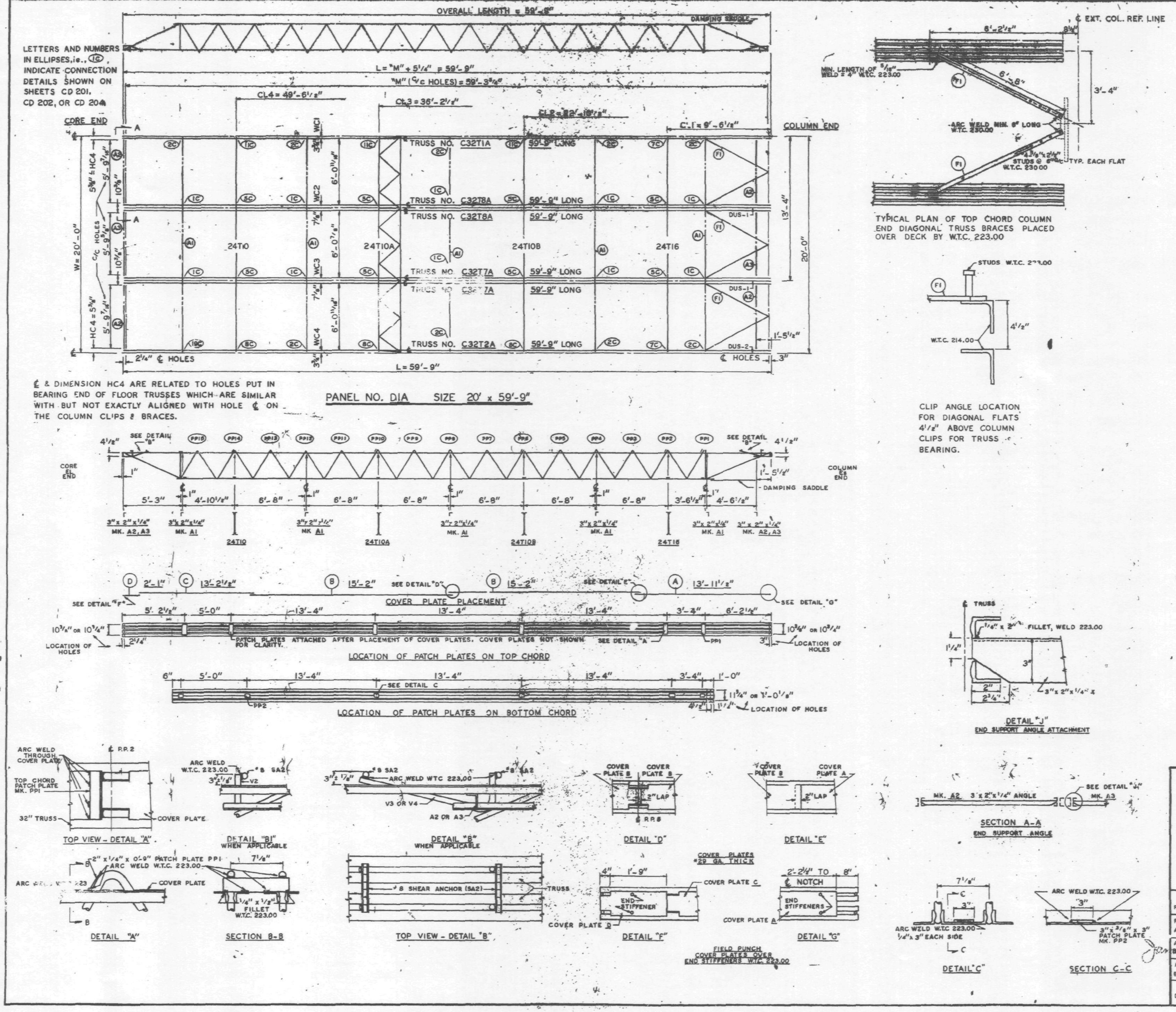
REF. DRWGS.	
7-AB2-5 & 11	4-15-68
7-AB3-9	4-15-68
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-8-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-2	2-15-68
7-AB1-3, 4 & 5	4-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH & SOUTH)
PANEL DIE - 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-9 4-15-68	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE 8/19/68	DRAWN BY: gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER		FABRICATION CONT NO W.T.C 221	SHEET NO. FP DIE



REQUIRED MATERIAL PER PANEL

MATERIAL	MK.	PCS.	SIZE	REF. DRWG.
FLOOR TRUSSES	T1A	1	C32T1A - 59'-9"	ST 201A
	T2A	1	C32T2A - 59'-9"	ST 202A
	T7A	2	C32T7A - 59'-9"	ST 207A
	T8A	2	C32T8A - 59'-9"	ST 208A
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x 1/4" ANGLE	A1	5	3"x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3"x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3"x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	6" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	# 8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 263
CONNECTION BAR	CB1	4	1" φ x 1'-3"	ST 400
	CB4	6	1" φ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

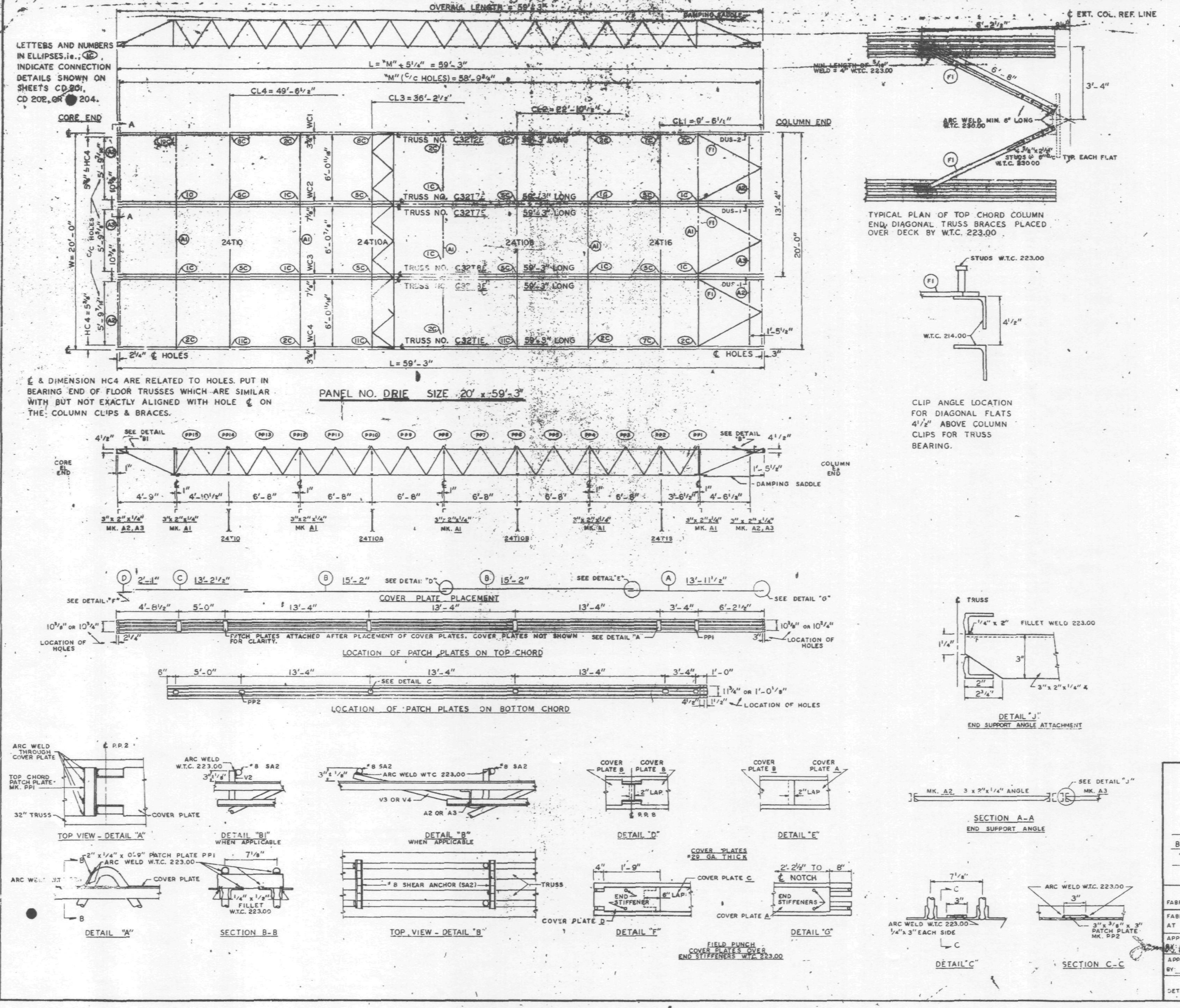
REF. DRWGS.

7-AB2-5 & 11	4-15-68
7-AB3-9	4-15-68
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-2	2-15-68
7-AB1-3, 4 & 5	4-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH)
PANEL DIA - 20' x 59'-9"

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9 4-15-68
PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. DATE 8/16/68
DRAWN BY: gdc DATE JULY 22, 1968
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
CHECKED BY: T.M. CHUPA DATE JULY 22, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP DIA



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅝"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-8⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-8⅞"	ST 298
CONNECTION BAR	CB1	4	1" ɸ x 1 - 3"	ST 400
	CB4	6	1" ɸ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 8½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

REF. DRWGS.

7-AB2-5 & 11	4-15-68
7-AB3-9	4-15-68
7-AB4-3,3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-2	2-15-68
7-AB1-3,4 & 5	4-15-68

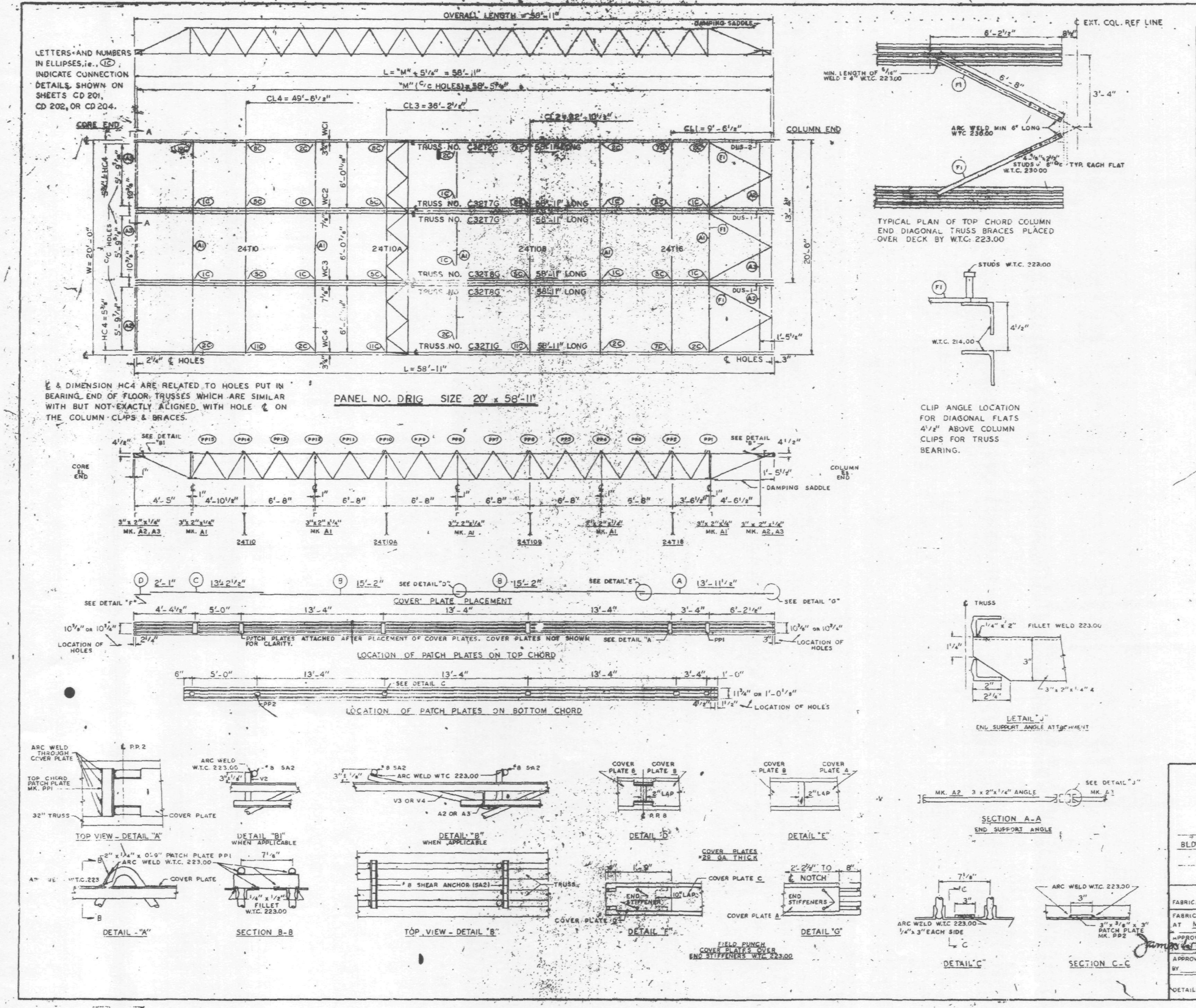
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)

PANEL DRIE - 20' x 59'-3"

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 8/19/68	DRAWN BY: gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR LACLEDE STEEL CO.	DATE	CHECKED BY: T.M.CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO. FP DRIE



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1G	1	C32T1G - 58'-11"	ST 201G
	T2G	1	C32T2G - 58'-11"	ST 202G
	T7G	2	C32T7G - 58'-11"	ST 207G
	T8G	2	C32T8G - 58'-11"	ST 208G
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

REF. DRWGS.

7-AB2-5 & 11	4-15-68
7-AB3-10	4-15-68
7-AB4-3,3,1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-2	2-15-68
7-AB1-3,4 & 5	4-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

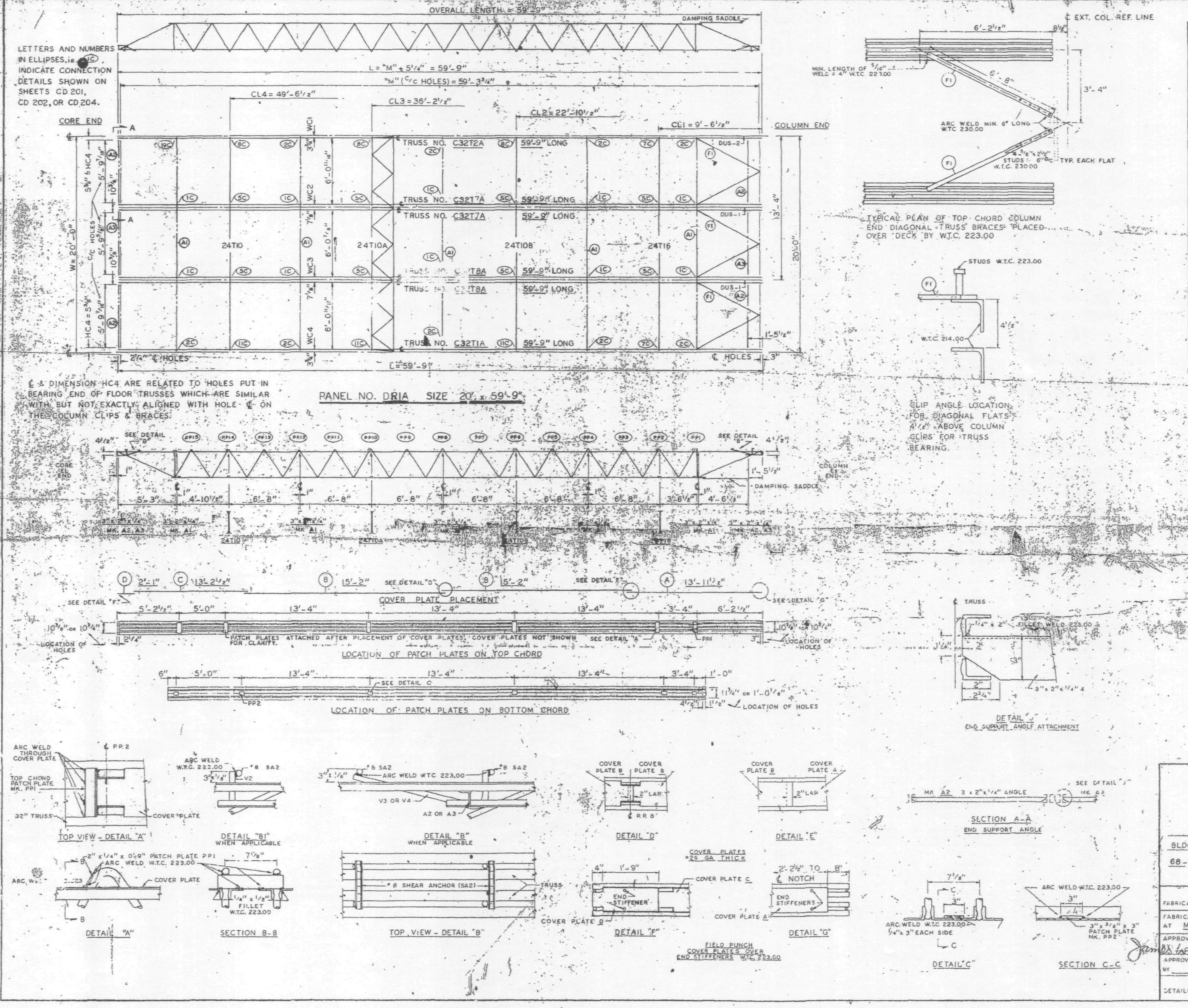
BLDG. A FLOORS 10-11, 39 (NORTH)

PANEL DRIG - 20' x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-10 4-15-68	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A.	DATE 8/19/68	DRAWN BY: gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV
DETAILED BY A. CARL WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP DRIG

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1A	1	C32T1A - 59'-9"	ST 201A
	T2A	1	C32T2A - 59'-9"	ST 202A
	T7A	2	C32T7A - 59'-9"	ST 207A
	T8A	2	C32T8A - 59'-9"	ST 208A
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	15	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	112	# 8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/2" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

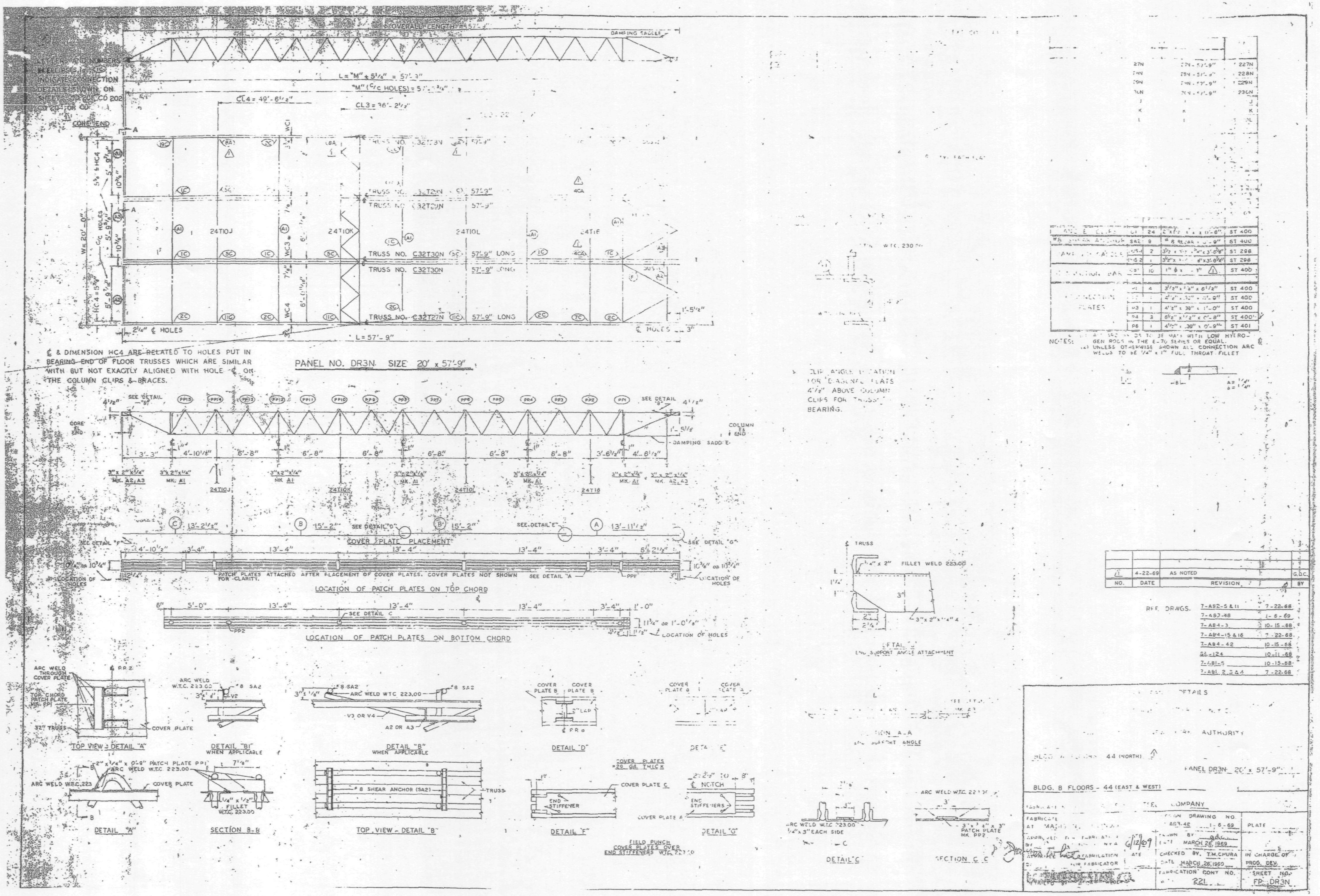
REF. DRWGS.

7-AB2-5 & 11	4-15-68
7-AB3-10	4-15-68
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-2	2-15-68
7-AB1-3, 4 & 5	4-15-68

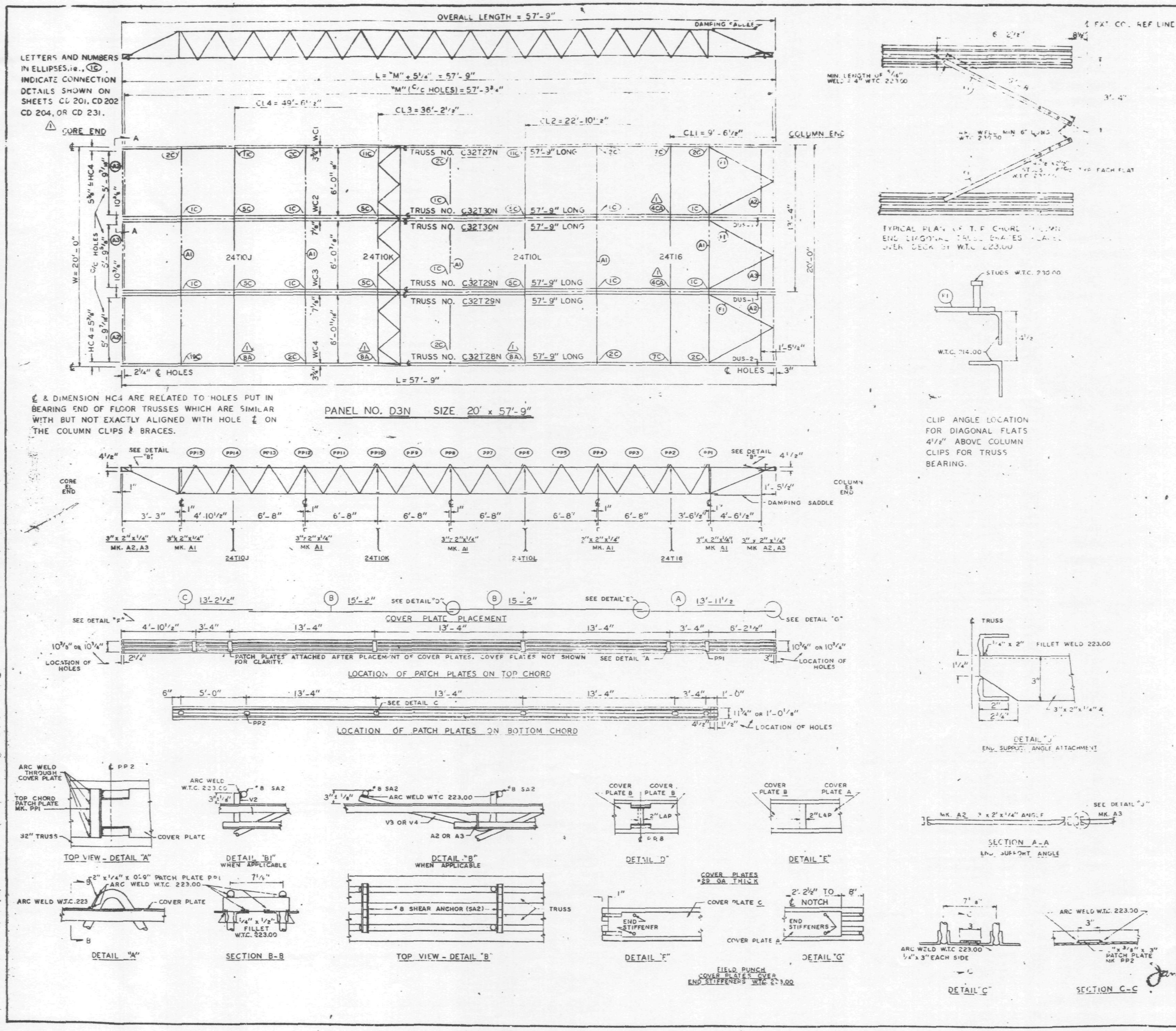
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66 & 68-69 (NORTH)
PANEL DRIA - 20' x 59'-9"

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-10 4-15-68
PLATE
APPROVED FOR FABRICATION BY: James White FOR P.O.N.Y.A DATE 8/19/68
DRAWN BY: gdc DATE JULY 22, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE JULY 22, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP DRIA



OVERALL LENGTH = 57'-
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202
L = "M" + 5¼" = 57'-3"
CL4 = 49'-6½"
CL3 = 36'-2½"
CORE END
TRUSS NO. C32T3N
TRUSS NO. C32T2N
TRUSS NO. C32T3ON 57'-9" LONG
TRUSS NO. C32T2TN 57'-9" LONG
24T10J
24T10K
24T10L
24T16
2¼" ℄ HOLES
℄ HOLES
L = 57'-9"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DR3N SIZE 20' x 57'-9"
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
SEE DETAIL "B"
COLUMN END
DAMPING SADDLE
3'-3"
4'-10⅞"
6'-8"
3'-6½"
4'-6½"
3" x 2" x ¼" MK. A2, A3
3" x 2" x ¼" MK. A1
COVER PLATE PLACEMENT
SEE DETAIL "C"
SEE DETAIL "E"
SEE DETAIL "F"
SEE DETAIL "G"
13'-2½"
15'-2"
13'-11½"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
SEE DETAIL "A"
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TRUSS
FILLET WELD 223.00
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
NOTES:
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE MK. PP1
32" TRUSS
COVER PLATE
ARC WELD W.T.C. 223.00
#8 SA2
V3 OR V4
A2 OR A3
COVER PLATES #20 GA. THICK
COVER PLATE C
COVER PLATE A
END STIFFENER
℄ NOTCH
END STIFFENERS
8 SHEAR ANCHOR (SA2)
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
ARC WELD W.T.C. 223.00 ¼" x 3" EACH SIDE
3" x 3" x 3" PATCH PLATE MK. PP2
1 | 4-22-69 | AS NOTED
NO. | DATE | REVISION | BY
REF. DRWGS.
7-AB2-5 & 11 7-22-68
7-AB3-48 1-6-69
7-AB4-3 10-15-68
7-AB4-15 & 16 7-22-68
7-AB4-42 10-15-68
SE-124 10-11-68
7-AB1-5 10-15-68
7-AB1, 2, 3 & 4 7-22-68
DETAILS
AUTHORITY
PANEL DR3N 20' x 57'-9"
BLDG. B FLOORS - 44 (EAST & WEST)
COMPANY
DRAWING NO.
DRAWN BY
MARCH 26, 1969
CHECKED BY T.M.CHURA
DATE MARCH 26, 1969
FABRICATION CONT. NO. 221
IN CHARGE OF PROD. DEV.
SHEET NO. FP-DR3N



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	R	SIZE	
FLOOR TRUSSES	T27N	1	C32T27N - 57'-9"	ST 227N
	T28N	1	C32T28N - 57'-9"	ST 228N
	T29N	2	C32T29N - 57'-9"	ST 229N
	T30N	2	C32T30N - 57'-9"	ST 230N
BRIDGING TRUSSES	T10J	1	24T10J - 19'-11"	BT 210J
	T10K		24T10K - 19'-11"	BT 210K
	T10L		24T10L - 19'-11"	BT 210L
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
DIAGONAL PLATES	F1	[illegible]	1 1/2" x 3/8" x 0'-8"	ST 402
PATCH PLATES	PP	18	2" x 1/4" x 0'-9"	ST 400
	PP2	15	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	[illegible]	9" x .0135" x 13'-11 1/2"	ST 303
	B	[illegible]	9" x 0.135" x 15'-2"	ST 303
	C	[illegible]	9" x .0135" x 13'-2 1/2"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	[illegible]	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	10	1" ϕ x 1 - 3" (1)	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDRO-GEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	4-22-69	AS NOTED	G.D.C.

REF. DRWGS.

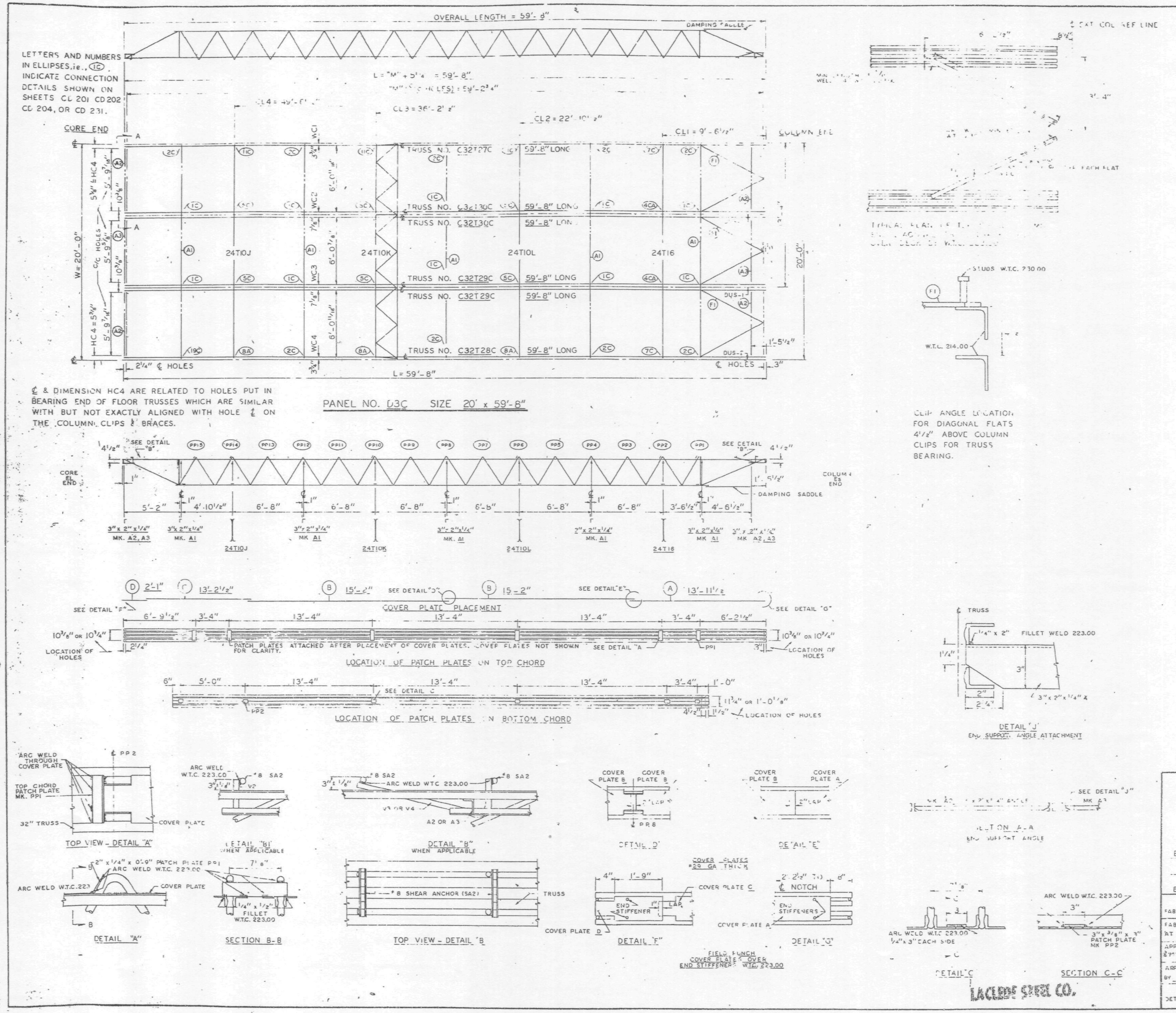
7-AB2-5 & 11	7-22-68
7-AB3-47	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
6A-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 44 (NORTH)
PANEL D3N - 20' x 57'-9"
BLDG. B FLOORS 44 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-47	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A	DATE 6/12/69	DRAWN BY gdc DATE MARCH 26, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M CHURA DATE MARCH 26, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO. FP D3N



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T27C	1	C32T27C - 59'-8"	ST 227C
	T28C	1	C32T28C - 59'-8"	ST 228C
	T29C	2	C32T29C - 59'-8"	ST 229C
	T30C	2	C32T30C - 59'-8"	ST 230C
[illegible]	T10J	1	24T10J - 19'-11"	BT 210J
	T10K	1	24T10K - 19'-11"	BT 210K
	T10L	1	24T10L - 19'-11"	BT 210L
	T16	1	24T16 - 19'-11"	BT 216
[illegible] ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
[illegible]	[illegible]	[illegible]	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP	18	2" x 1/4" x 0'-9"	ST 400
	PP	15	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	10	1" ϕ x - 3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x [illegible]'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

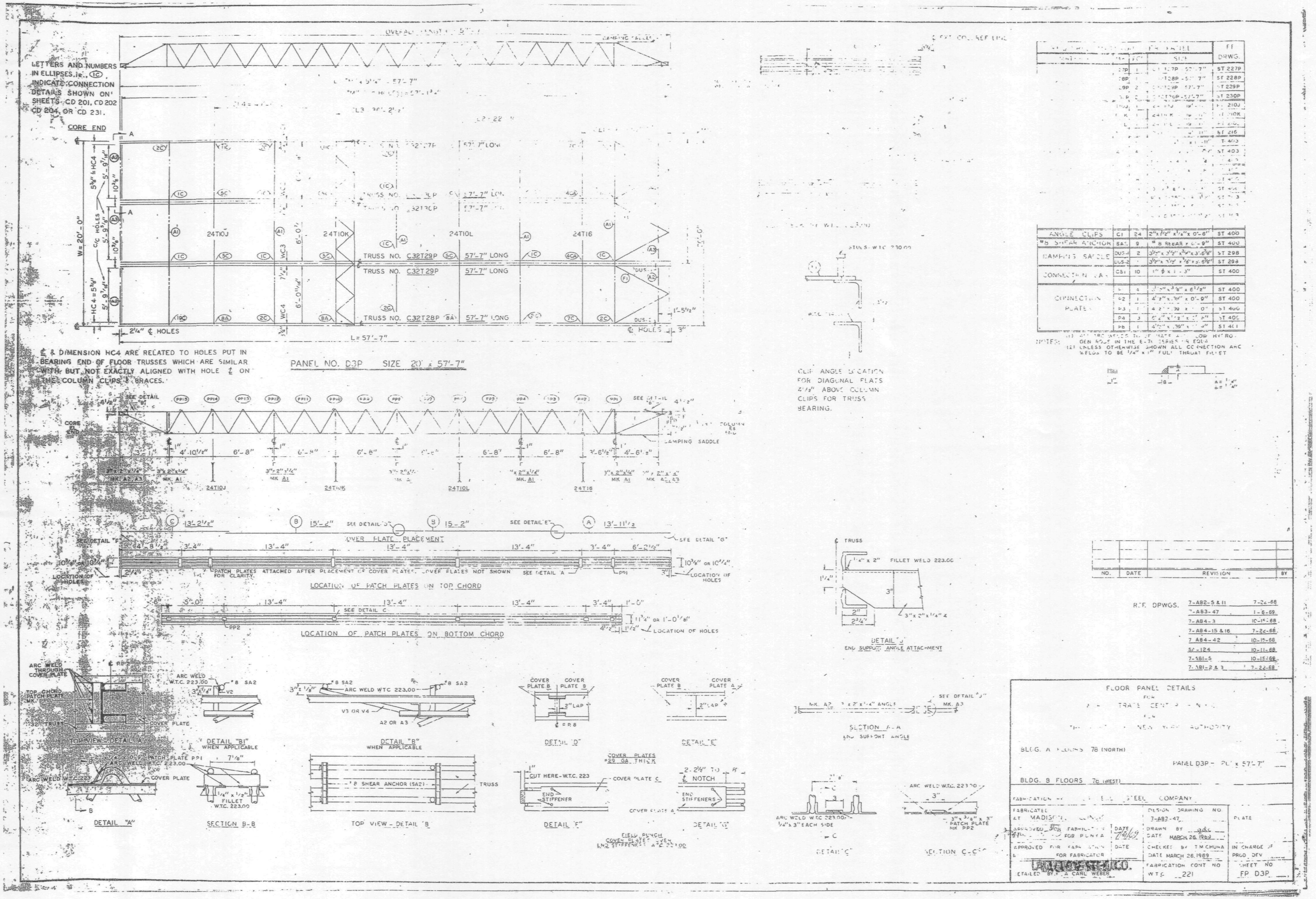
REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-47	1-6-69
7-AB4-1	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SP-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

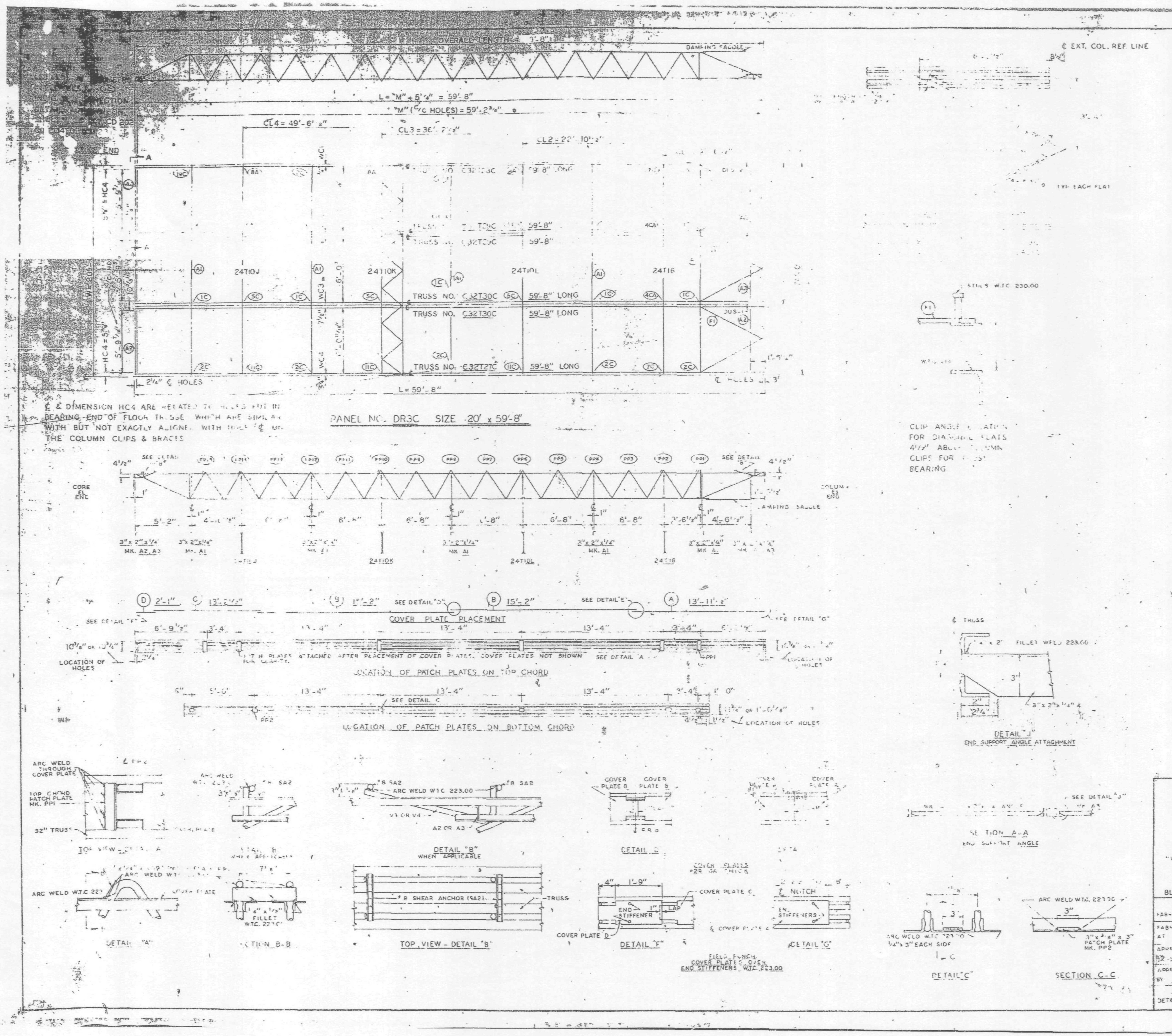
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (SOUTH)
PANEL D3C - 20' x 59'-8"
BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-47
PLATE
APPROVED FOR FABRICATION BY FOR P.N.Y.A. DATE 7/31/69
DRAWN BY gdc DATE MARCH 26, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MARCH 26, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY CARL WEBER
LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP D3C



LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202 CD 204, OR CD 231.
CORE END
W=20'-0"
TRUSS NO. C32T29P 57'-7" LONG
TRUSS NO. C32T29P 57'-7" LONG
TRUSS NO. C32T28P 57'-7" LONG
24T10J
24T10K
24T10L
24T16
2¼" ℄ HOLES
℄ HOLES
L=57'-7"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D3P SIZE 20' x 57'-7"
CLAMPING SADDLE
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON BOTTOM CHORD
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
ANGLE CLIPS
CAMPING SADDLE
CONNECTION PLATES
NOTES: (2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
TOP VIEW - DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
SECTION A-A
END SUPPORT ANGLE
SECTION C-C
COVER PLATES #29 GA. THICK
FIELD PUNCH COVER PLATES, EVEN END STIFFENERS W.T.C. 223.00
REF. DWGS. 7-A82-5 & 11 7-24-68; 7-A83-47 1-6-69; 7-A84-3 10-15-68; 7-A84-15 & 16 7-24-68; 7-A84-42 10-15-68; 57-124 10-11-68; 7-A81-5 10-15-68; 7-A81-2 & 3 7-22-68
NO. DATE REVISION BY
FLOOR PANEL DETAILS
NEW YORK AUTHORITY
BLDG. A FLOORS 78 (NORTH)
PANEL D3P - 20' x 57'-7"
BLDG. B FLOORS 78 (WEST)
STEEL COMPANY
DESIGN DRAWING NO. 7-A82-47
DATE MARCH 26 1969
CHECKED BY T.M. CHUNA
DATE MARCH 26, 1969
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP D3P
DETAILED BY A. CARL WEBER



[illegible] MATERIAL PER PANEL				REF DWG
[illegible]	[illegible]	PCS.	SIZE	
	27C	[illegible]	[illegible]27C - 59'-8"	ST 227C
	28C		[illegible]28C - 59'-8"	ST 228C
	29C		[illegible]29C - 59'-8"	ST 229C
	30C		[illegible]30C - 59'-8"	ST 230C
	J		J [illegible]	[illegible] 210J
[illegible]	K		K [illegible]	ST 210K
	L		L [illegible]	BT 210L
	[illegible]		[illegible]	BT 216
	[illegible]		[illegible]	ST 403
	[illegible]		[illegible]	ST 403
	[illegible]		[illegible]	ST 403
	[illegible]		[illegible]	ST 402
	[illegible]	16	[illegible]	ST 405
	[illegible]		[illegible]	ST 400
	[illegible]		[illegible]	ST 303
	[illegible]		[illegible]	ST 303
	[illegible]		[illegible]	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 2½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION [illegible]	[illegible]	16	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 8½"	ST 400
	P2	[illegible]	4½" x .39" x 0'-9"	ST 400
	[illegible]	[illegible]	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES: (1) [illegible] TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼ x 1" FULL THROAT FILLET

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-48	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	[illegible]-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
[illegible] CENTER [illegible] N.Y.C.
[illegible]
[illegible] YORK AUTHORITY

[illegible] FLOORS 78 (SOUTH)

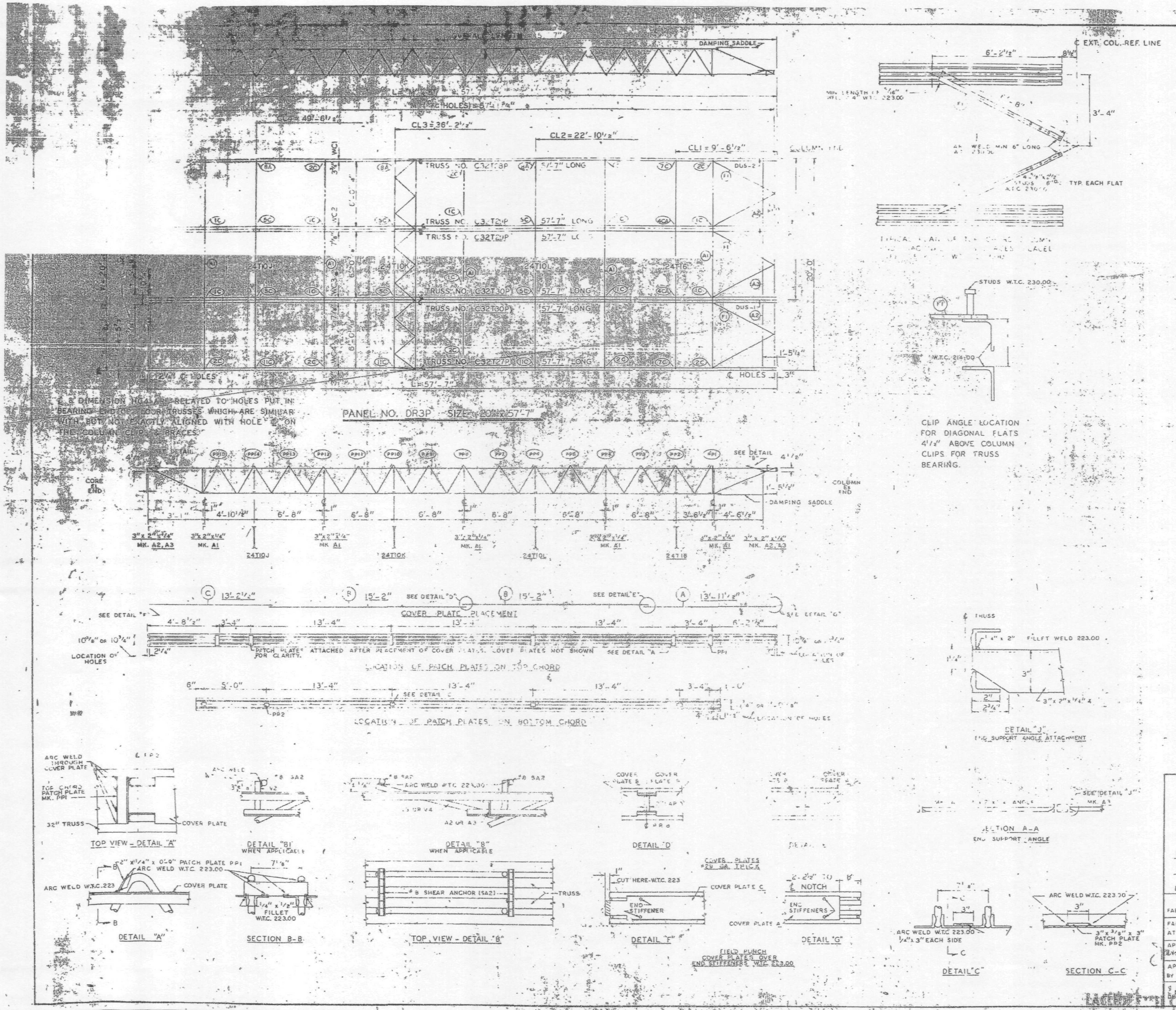
PANEL DR3C 20' x 59'-8"

BLDG. B FLOORS - 78 (EAST)

FABRICATED BY [illegible] STEEL COMP[illegible]

FABRICATED AT [illegible]		DESIGN DRAWING NO. 7 AB3-48 1-6-69	PLATE
APPROVED FOR FABRICATION FOR PONYA	DATE 7/31/69	DRAWN BY gdc DATE MARCH 26, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE MARCH 26, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible] WEBER		FABRICATION - CONT. NO. W.T.C. 221[illegible]	SHEET NO. FP DR3C

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T27P	1	C32T27P - 57'-7"	ST 227P
	T28P	1	C32T28P - 57'-7"	ST 228P
	T29P	2	C32T29P - 57'-7"	ST 229P
	T30P	2	C32T30P - 57'-7"	ST 230P
BRIDGING TRUSSES	T10J	[illegible]	24T10J - 19'-[illegible]"	BT 210J
	T10K	1	24T10K - 19'-[illegible]"	BT 210K
	T10L	1	24T10L - 19'-[illegible]"	BT 210L
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-[illegible]"	ST 403
DIAGONAL FLATS	F1	6	1[illegible]" x ⅝" x 6'-8	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0135" x 13'-11½"	ST 303
	B	8	9" x 0135" x 15'-2"	ST 303
	C	3	9" x 0135" x 13'-2½"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	# 8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	[illegible]	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	10	1"ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x 1½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-48	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

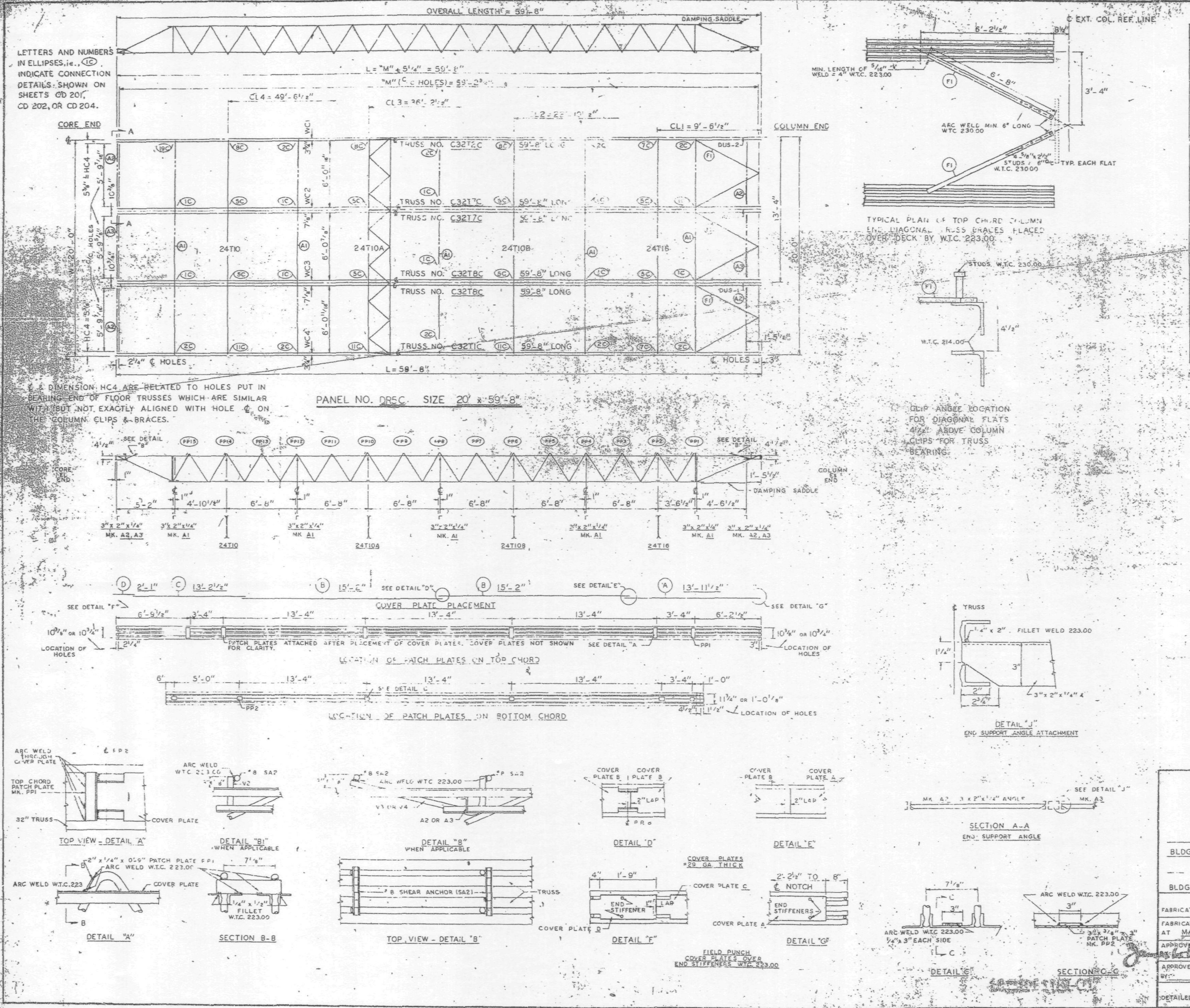
FLOOR PANEL DETAILS
FOR
[illegible] CENTER - N.Y.C.
FOR
THE [illegible] NEW YORK AUTHORITY

BLDG. A [illegible]OORS 78 (NORTH)
PANEL DR3P - 20' x 57'-7"
BLDG. B FLOORS - 78 (WEST)

FABRICATION BY [illegible]ACLEDE STEEL COMPA[illegible]

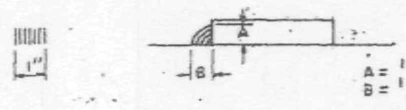
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-48 1-6-69	PLATE
APPROVED FOR FABRICATION [illegible] FOR PONYA	DATE 7/31/69	DRAWN BY: gdc DATE MARCH 26, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE MARCH 26, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-DR3P

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1C	1	C32T1C - 59'-8"	ST 201C
	T2C	1	C32T2C - 59'-8"	ST 202C
	T7C	2	C32T7C - 59'-8"	ST 207C
	T8C	2	C32T8C - 59'-8"	ST 208C
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-5 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	5 1/2" x 1/2" x 0'-8"	ST 400
	P5	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	8-4-69	AS NOTED	G.D.F.

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

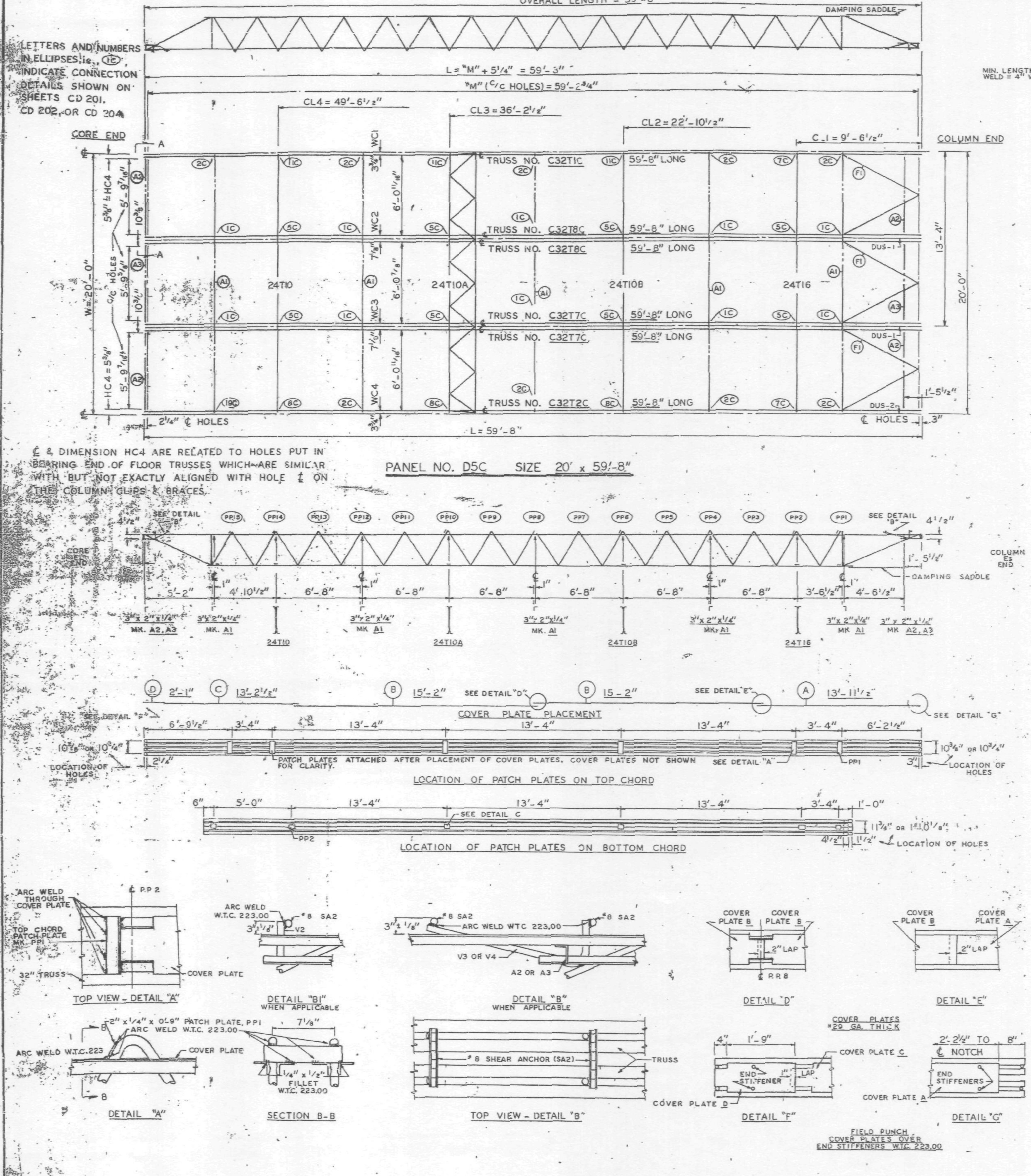
BLDG. A FLOORS 79 (SOUTH) 49 (SOUTH) 1

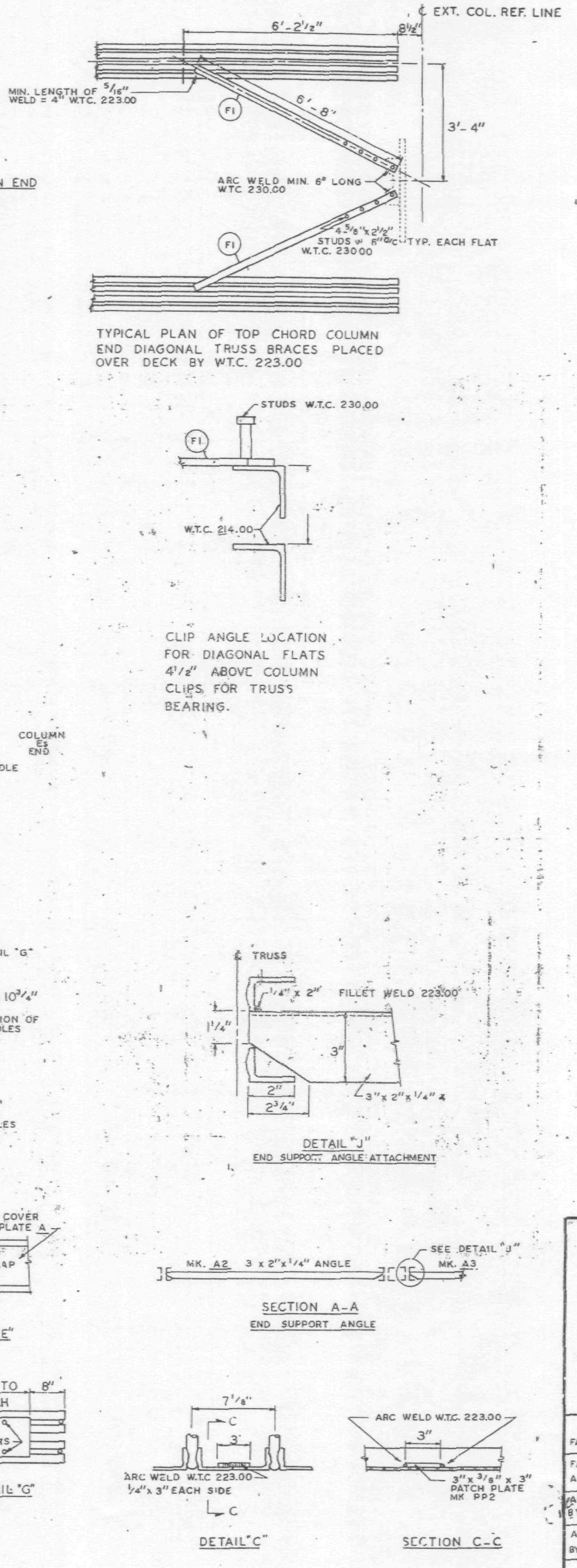
PANEL DR5C 20' x 59'-8"

BLDG. B FLOORS 79 (EAST) 49 (EAST) 1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-72 4-15-68	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE 8/11/69	DRAWN BY GDG DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP DR5C





REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1C	1	C32T1C - 59'-8"	ST 201C
	T2C	1	C32T2C - 59'-8"	ST 202C
	T7C	2	C32T7C - 59'-8"	ST 207C
	T8C	2	C32T8C - 59'-8"	ST 208C
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	# 8 REBAR x 0'-0"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4" ϕ

NO.	DATE	REVISION	BY

REF. DRWGS.

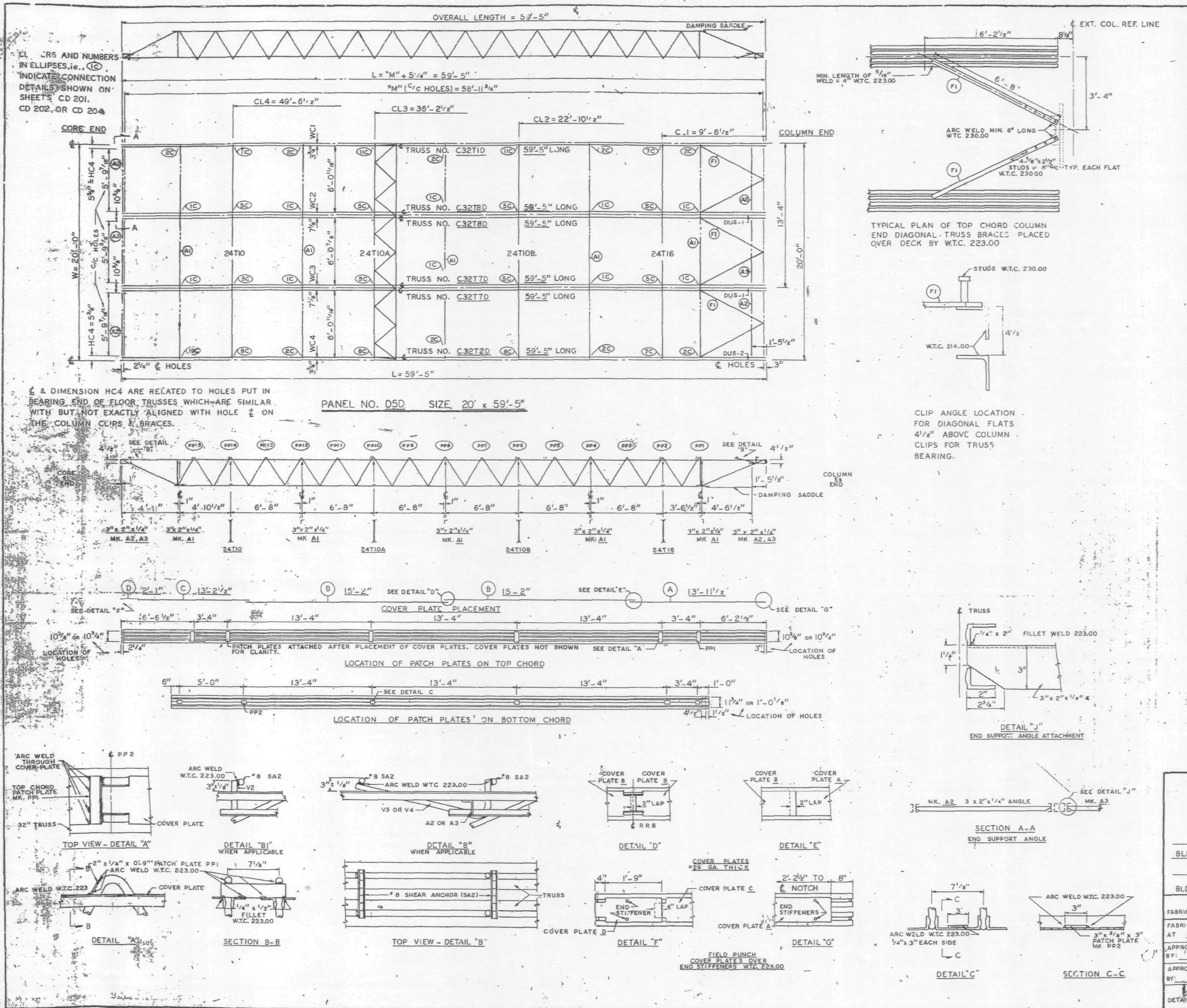
7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49 (SOUTH)
PANEL D5C - 20' x 59'-8"
BLDG. B FLOORS 49 (EAST)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1D	1	C32T1D - 59'-5"	ST 201D
	T2D	1	C32T2D - 59'-5"	ST 202D
	T7D	2	C32T7D - 59'-5"	ST 207D
	T8D	2	C32T8D - 59'-5"	ST 208D
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x 2"x 1/4"x 5'-11 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	16	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	C	3	9"x .0135"x 13'-2 1/2"	ST 303
	D	3	9"x .0135"x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 6 1/2"	ST 400
	P2	1	4 1/2"x .38"x 0'-9"	ST 400
	P3	1	4 1/2"x .38"x 1'-0"	ST 400
	P4	3	6 1/2"x 1/2"x 0'-8"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-A82-5 & 11	7-22-68
7-A83-71	11-25-68
7-A84-3	10-15-68
7-A84-15 & 16	7-22-68
7-A84-42	10-15-68
SA-124	10-11-68
7-A81-5	10-15-68
7-A81-2 & 3	7-22-68

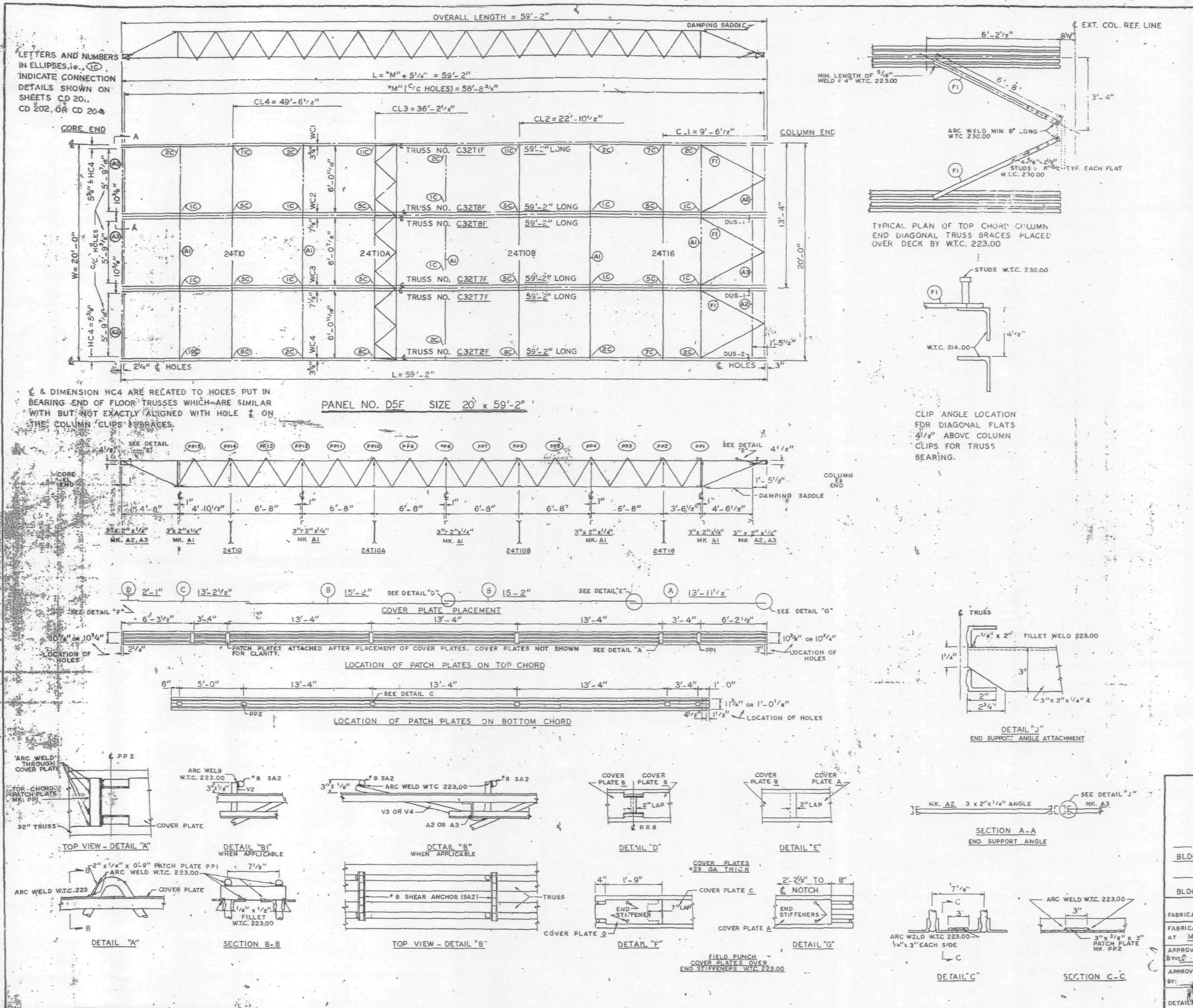
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 (NORTH)
PANEL D5D - 20' x 59'-5"
BLDG. B FLOORS 81-82 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-71	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5D

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1F	1	C32T1F - 59'-2"	ST 201F
	T2F	1	C32T2F - 59'-2"	ST 202F
	T7F	2	C32T7F - 59'-2"	ST 207F
	T8F	2	C32T8F - 59'-2"	ST 208F
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 3'-1 5/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47 & 48 (SOUTH)

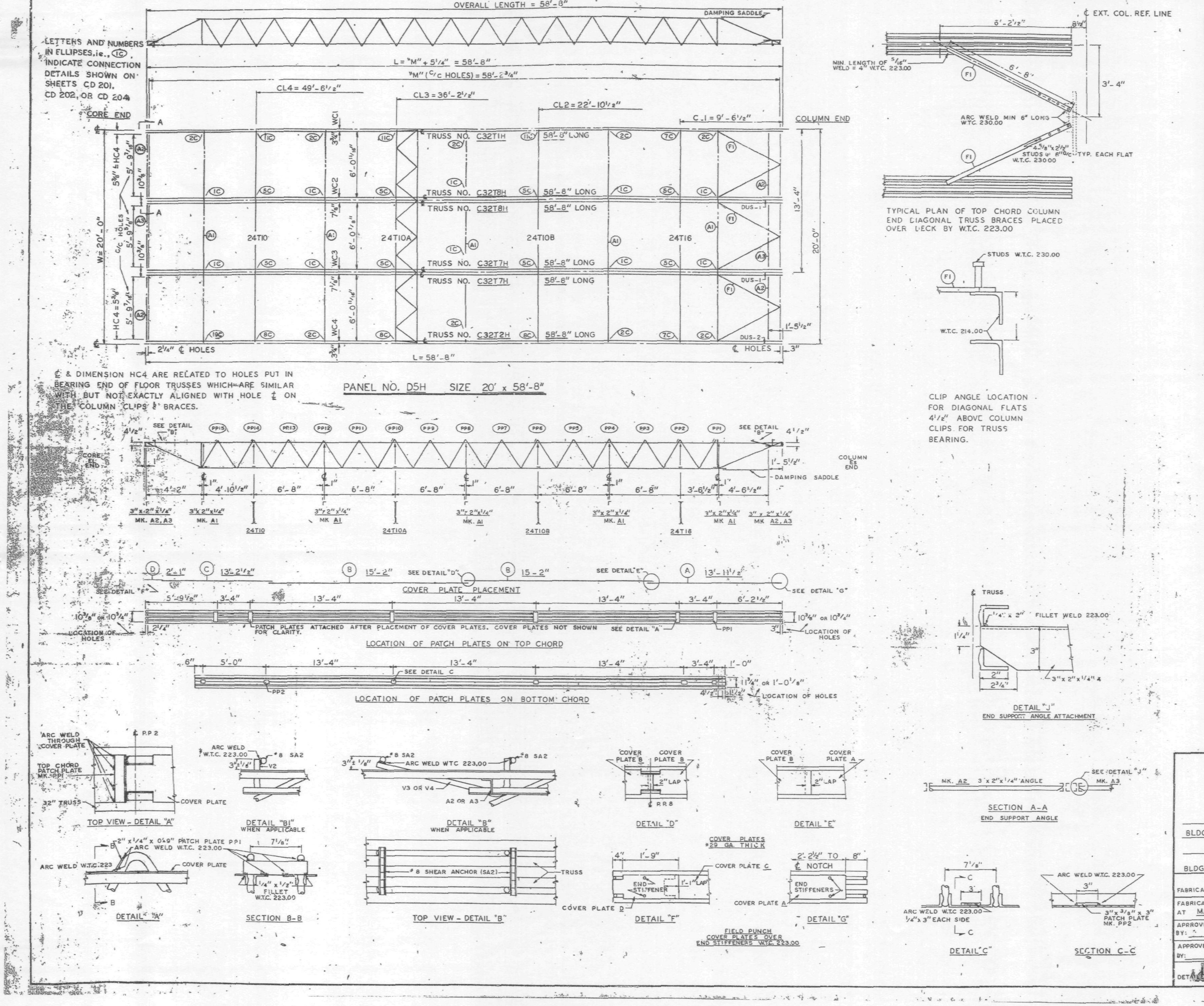
PANEL D5F - 20' x 59'-2"

BLDG. B FLOORS 47 & 48 (EAST)

FABRICATION BY: LACLEDE STEEL COMPANY

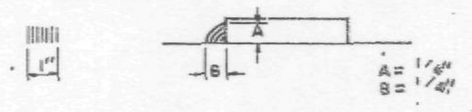
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY: [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5F

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1H	1	C32T1H - 58'-8"	ST 201H
	T2H	1	C32T2H - 58'-8"	ST 202H
	T7H	2	C32T7H - 58'-8"	ST 207H
	T8H	2	C32T8H - 58'-8"	ST 208H
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x¼" ANGLE	A1	5	3" x 2" x¼" x 19'-11"	ST 403
	A2	4	3" x 2" x¼" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x¼" x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x 3/8" x 3'-6 3/8"	ST 298
	DUS-2	1	3½" x 3½" x 3/8" x 3'-6 3/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x 3/8" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-66
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80 (NORTH)

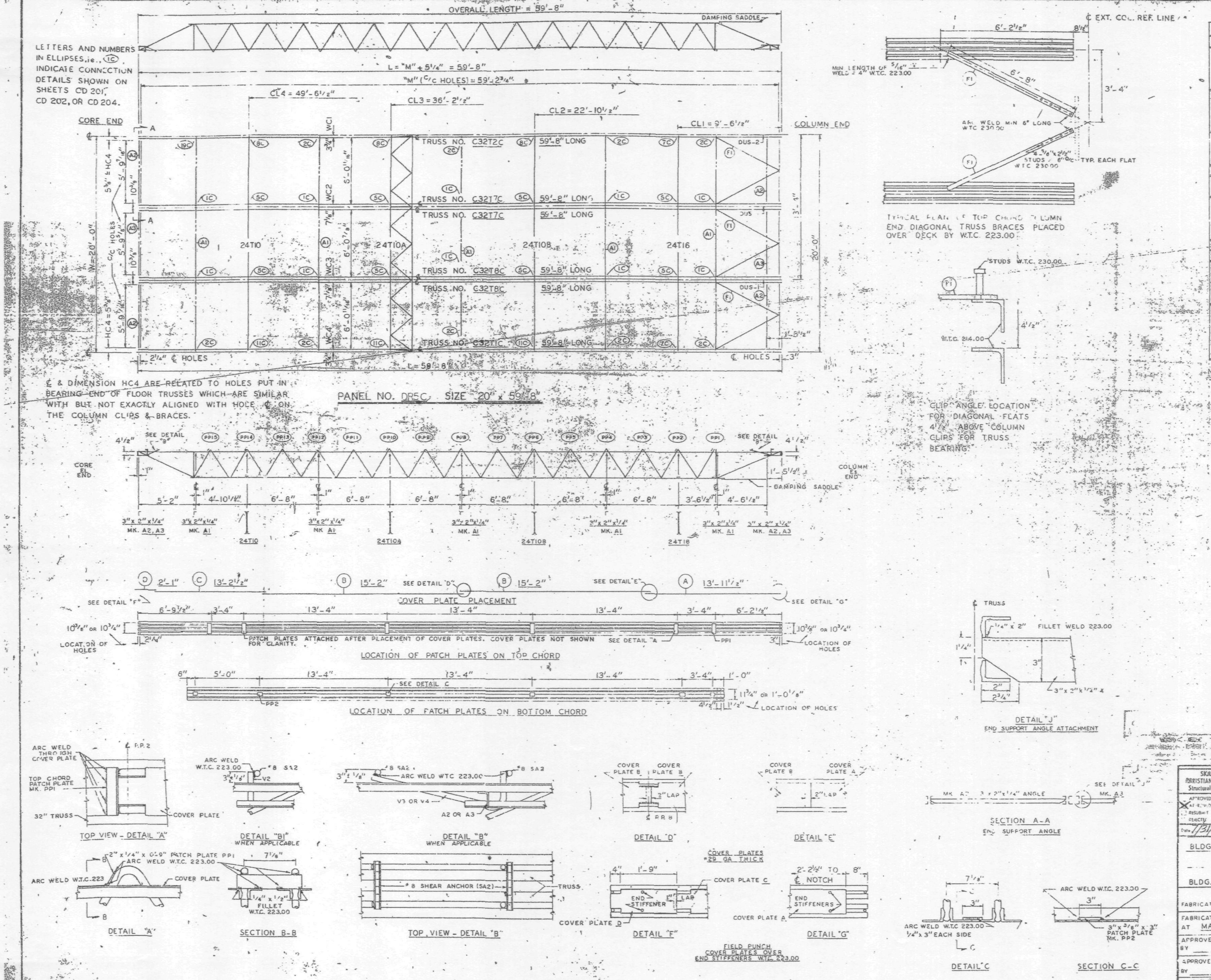
PANEL D5H - 20' x 58'-8"

BLDG. B FLOORS 79-80 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: CARLO WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5H

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1C	1	C32T1C - 59'-8"	ST 201C
	T2C	1	C32T2C - 59'-8"	ST 202C
	T7C	2	C32T7C - 59'-8"	ST 207C
	T8C	2	C32T8C - 59'-8"	ST 208C
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x 2"x 1/4"x 5'-11 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	C	3	9"x .0135"x 13'-2 1/2"	ST 303
	D	3	9"x .0135"x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1 1/2"x 1/4"x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P3	1	4 1/2"x .39"x 1'-0"	ST 400
	P4	3	6 1/2"x 1/2"x 0'-8"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

SKILLING - HELLE CHRISTIANSEN - ROBERTSON Structural & Civil Engineers
APPROVED
X APPROVED AS NOTED
RESUBMIT
REJECTED
Date 7/31/69

FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79 (SOUTH) 49 (SOUTH)

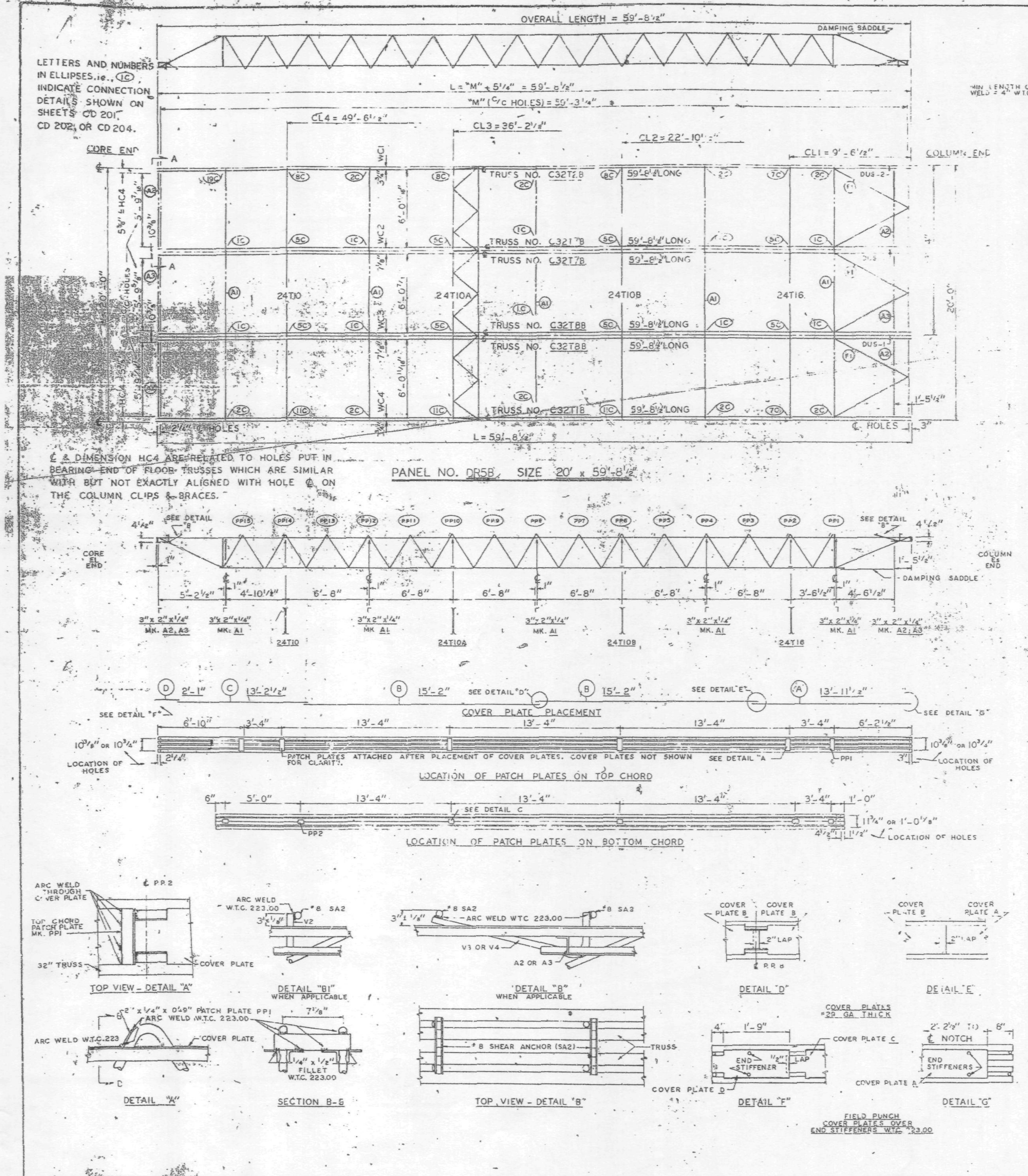
PANEL DR5C - 20' x 59'-8"

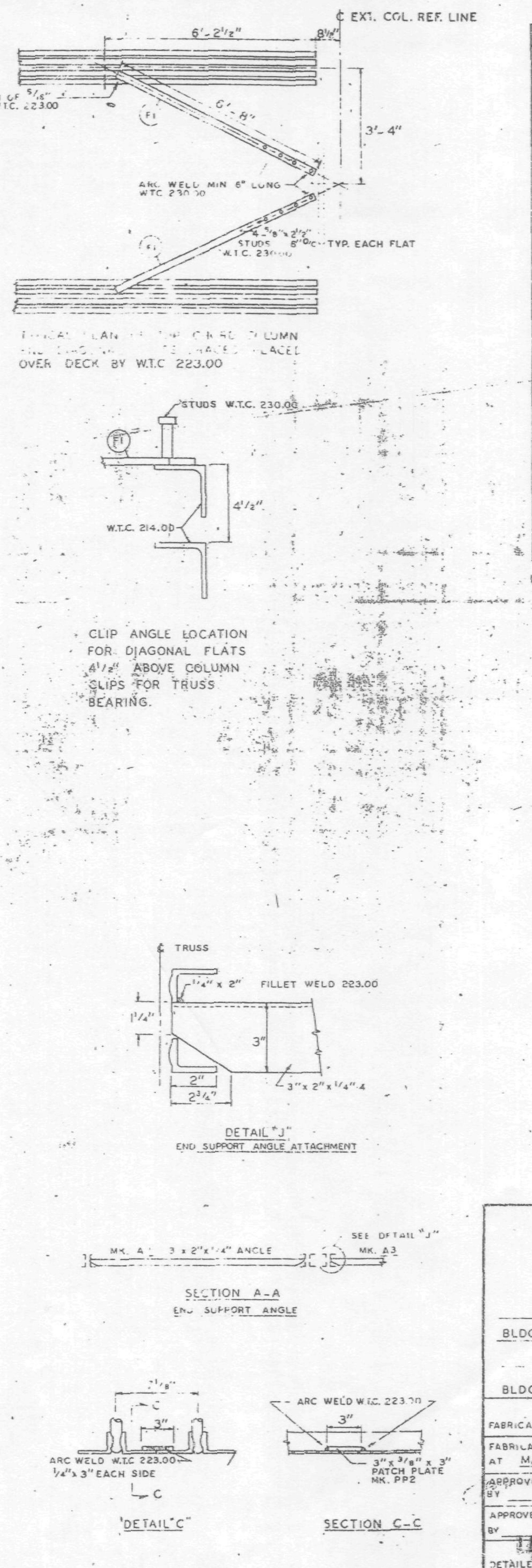
BLDG. B FLOORS 79 (EAST) 49 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-72 4-15-68	PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A.	DATE	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER (LACLEDE STEEL CO.)		FABRICATION CONT. NO. WTC 221	SHEET NO. FP DR5C

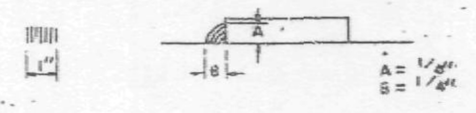
300-399
WTC1-131-LERA





REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8 1/2"	ST 201B
	T2B	1	C32T2B 59'-8 1/2"	ST 202B
	T7B	2	C32T7B - 59'-8 1/2"	ST 207B
	T8B	2	C32T8B - 59'-8 1/2"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	CF	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	8 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWGS.

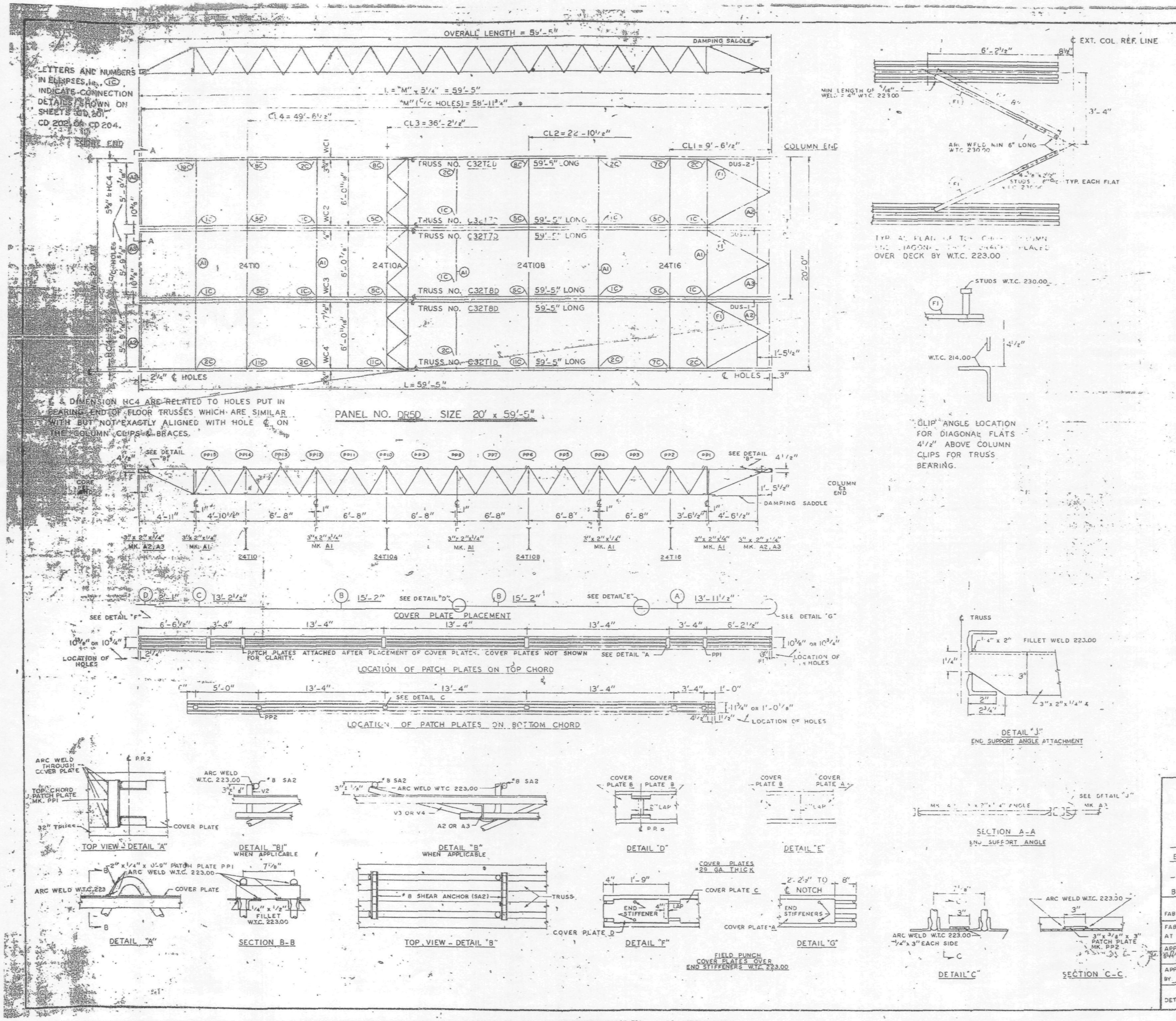
7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AD1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83 (NORTH)
PANEL DR5B - 20' x 59'-8 1/2"
BLDG. B FLOORS 83 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-72 4-15-68	PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A. CARL WEBER		FABRICATION CONT NO W.T.C 221	SHEET NO. FP DR5B



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1D	1	C32T1D - 59'-5"	ST 201D
	T2D	1	C32T2D - 59'-5"	ST 202L
	T7D	2	C32T7D - 59'-5"	ST 207D
	T8D	2	C32T8D - 59'-5"	ST 208D
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x ¼" ANGLE	A	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅝"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-8"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-[illegible]	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" φ x 1'-3"	ST 400
	CB4	6	1" φ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 8½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS

FOR

WORLD TRADE CENTER N.Y.C.

FOR

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81 & 82 (NORTH)

PANEL DR5D - 20' x 59'-5"

BLDG. B FLOORS 81 & 82 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-72 4-15-68

PLATE

APPROVED FOR FABRICATION FOR P.O.N.Y.A. BY [signature] DATE 7/31/69

DRAWN BY: gdc DATE JAN. 14, 1969

APPROVED FOR FABRICATION BY LACLEDE STEEL CO. DATE

CHECKED BY: T.M. CHURA DATE JAN. 14, 1969

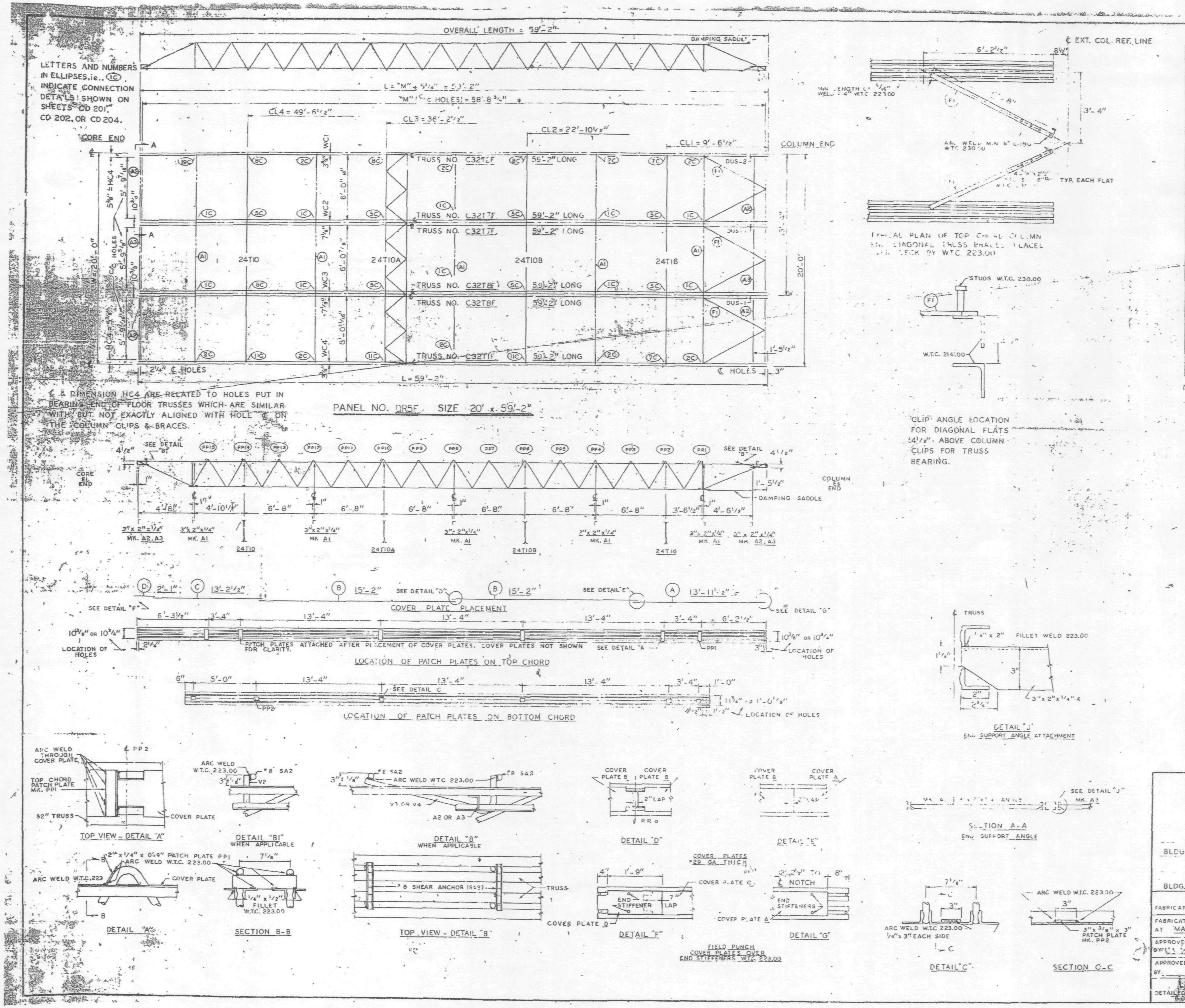
IN CHARGE OF PROD. DIV.

DETAILED BY: A. CARL WEBER

LACLEDE STEEL CO.

FABRICATION CONT. NO. W.T.C. 8221

SHEET NO. FP DR5D



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1F	1	C32T1F - 59'-2"	ST 201F
	T2F	1	C32T2F - 59'-2"	ST 202F
	T7F	2	C32T7F - 59'-2"	ST 207F
	T8F	2	C32T8F - 59'-2"	ST 208F
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2" x 1/4" ANGLE	A1	5	3"x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3"x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	2	3"x 2" x 1/4" x 5'-11 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135" x 13'-11 1/2"	ST 303
	B	8	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1?	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

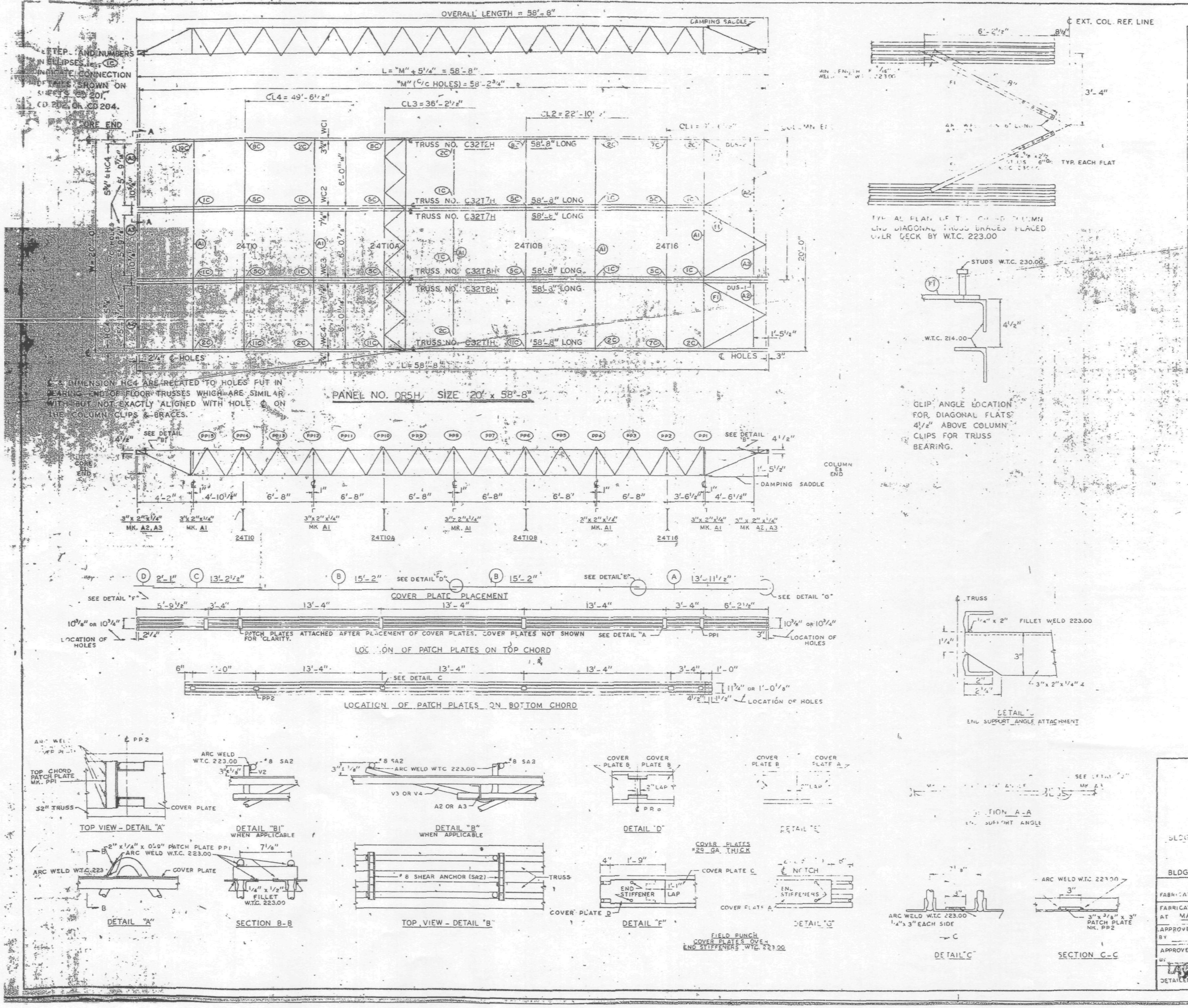
7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47 & 48 (SOUTH)
PANEL DR5F - 20' x 59'-2"
BLDG. B FLOORS 47 & 48 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3-72 4-15-68	PLATE [illegible]
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc? DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF: PROD. DEV.
DETAILED BY LACLEDE STEEL CO. CARL WEBER		FABRICATION CONT. NO. W.T.C. [illegible]-221	SHEET NO. FP DR5F



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1H	1	C32T1H - 58'-8"	ST 201H
	T2H	1	C32T2H - 58'-8"	ST 202H
	T7H	2	C32T7H - 58'-8"	ST 207H
	T8H	2	C32T8H - 58'-8"	ST 208H
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	[illegible]	24T10A - [illegible]-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - [illegible] 11"	ST 216
3"x 2" x [illegible]	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	[illegible]	2	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
DIA[illegible]	[illegible]	6	1 1/2" x 5/8" x 8'-6"	ST 402
PATCH [illegible]	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-5"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x [illegible] x 3'-[illegible]"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x [illegible] x 3'-[illegible]"	ST 298
CONNECTION BAR	CB1	4	[illegible]	ST 400
	CB4	6	[illegible] x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x [illegible] x 0'-[illegible]"	ST 400
	P2	[illegible]	4 1/2" x .39" x 0'-[illegible]"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA 124	10-11-68
7-AB[illegible]-5	10-15-68
[illegible]-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS

[illegible]

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79 & 80 (NORTH)

PANEL DR5H - 20' x 58'-8"

BLDG. B FLOORS 79 & 80 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY ____ FOR PONYA — DATE 7/31/69

APPROVED FOR FABRICATION BY ____ FOR FABRICATOR — DATE

DETAILED BY A. CARL WEBER

DESIGN DRAWING NO. 7-AB3-72 4-15-68

DRAWN BY: gdg DATE JAN. 14, 1969

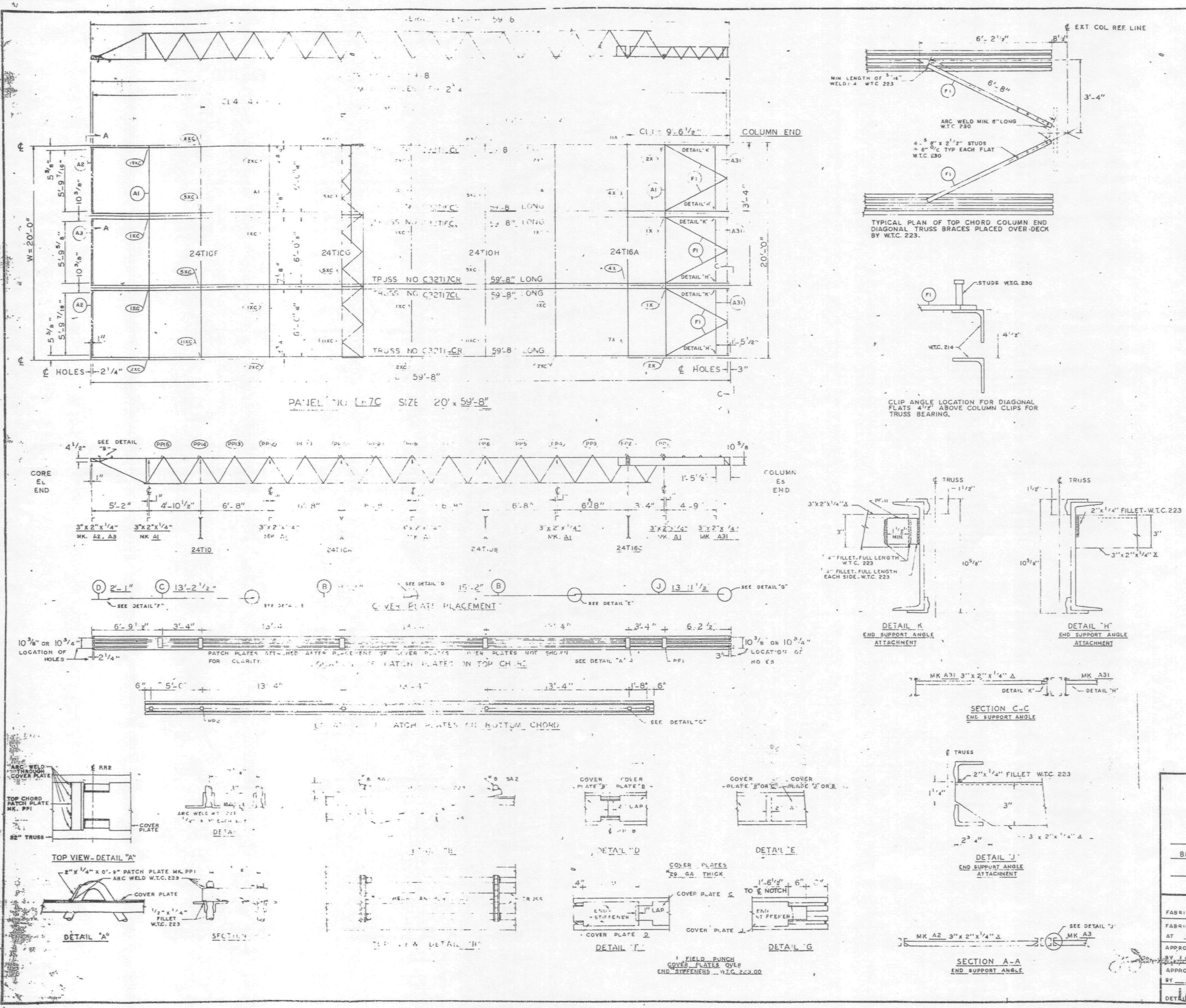
CHECKED BY: T.M.CHURA DATE JAN. 14, 1969

FABRICATION CONT. NO. W.T.C. 221

PLATE

IN CHARGE OF PROD. DEV.

SHEET NO. FP-DR5H



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CR	1	C32T14CR x 59'-8"	ST 214CL
	T15CL	1	C32T15CL x 59'-8"	ST 215CL
	T16CL	1	C32T16CL x 59'-8"	ST 216CL
	T16CR	1	C32T16CR x 59'-8"	
	T17CL	1	C32T17CL x 59'-8"	ST 217CL
	T17CR	1	C32T17CR x 59'-8"	
BRIDGING TRUSSES	T10F	1	24T10F x 19'-11"	BT 210F
	T10G	1	24T10G x 19'-11"	BT 210G
	T10H	1	24T10H x 19'-11"	BT 210H
	T16A	1	24T16A x 19'-11"	BT 216A
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-1"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
	CB4	6	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

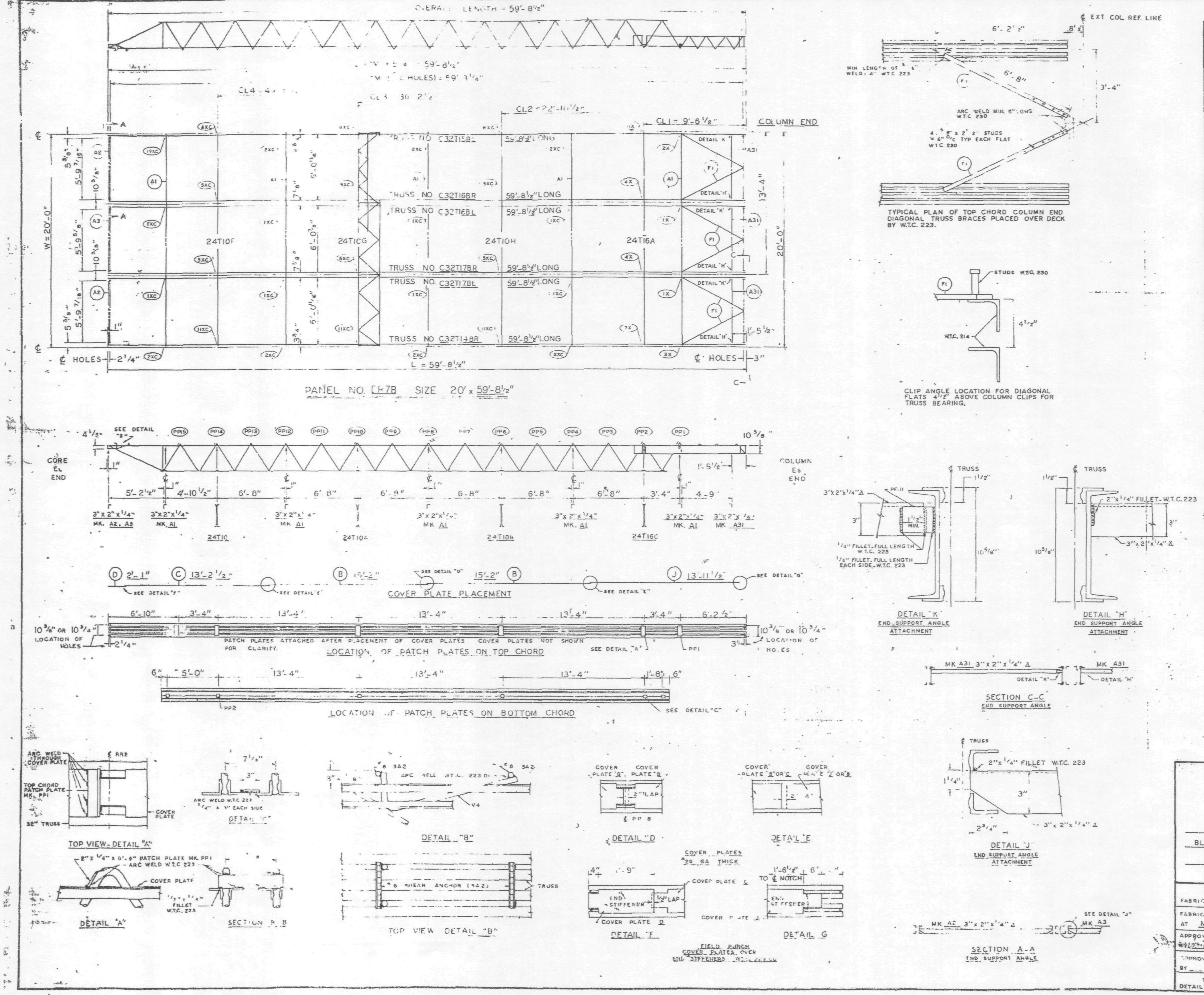
REF DRWG.		
	7-AB3-31	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB1-14, 15 & 16	10-4-68
	7-AB2-13	10-4-68
	7-AB2-17	10-4-68
	SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

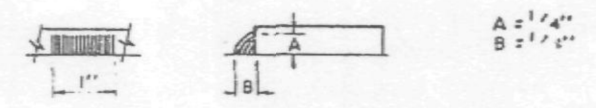
PANEL DR7C - 20' x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATE AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-31 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA DATE 6/6/69
DRAWN BY LWR DATE MAY 8, 1969
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED [illegible]
FABRICATION CONT NO W.T.C. 221
SHEET NO FP DR7C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T14BR	1	C32T14BR x 59'-8 1/2"	ST 214BL
	T15BL	1	C32T15BL x 59'-8 1/2"	ST 215BL
	T16BL	1	C32T16BL X 59'-8 1/2"	ST 216BL
	T16BR	1	C32T16BR X 59'-8 1/2"	
	T17BL	1	C32T17BL X 59'-8 1/2"	ST 217BL
	T17BR	1	C32T17BR X 59'-8 1/2"	
BRIDGING TRUSSES	T10F	1	24T10F x 19'-11"	BT 210F
	T10G	1	24T10G x 19'-11"	BT 210G
	T10H	1	24T10H x 19'-11"	BT 210H
	T16A	1	24T16A x 19'-11"	BT 216A
3"x 2"x 1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 3/4"	ST 403
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2"x 1 1/2"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8"x 0'-6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P4	3	6 1/2"x 1/2"x 0'-8"	ST 400
	P61	1	4 1/2"x .39"x 0'-9"	ST 401
	P9	6	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWG.

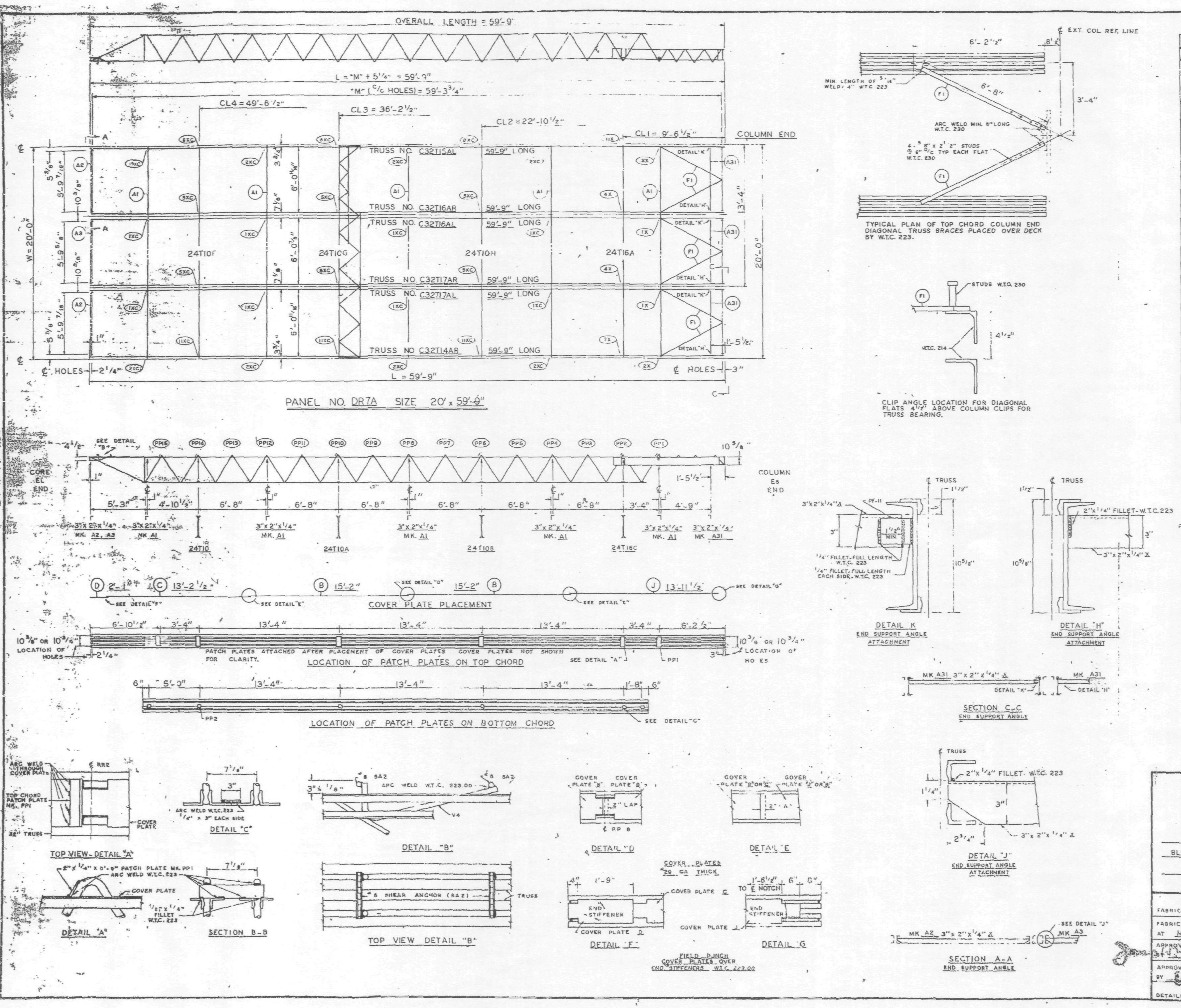
7-AB3-31	10-4-68
7-AB4-26	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 92 (WEST)

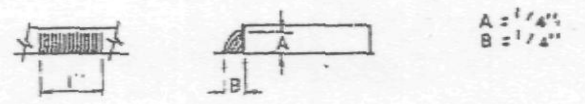
PANEL DR7B - 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-31 PLATE
APPROVED FOR FABRICATION FOR P.N.Y.A. DATE 6/6/69
DRAWN BY LWR DATE MAY 6, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP DR7B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AR	1	C32T14AR x 59'-9"	ST 214AL
	T15AL	1	C32T15AL x 59'-9"	ST 215AL
	T16AL	1	C32T16AL x 59'-9"	ST 216AL
	T16AR	1	C32T16AR x 59'-9"	
	T17AL	1	C32T17AL x 59'-9"	ST 217AL
	T17AR	1	C32T17AR x 59'-9"	
BRIDGING TRUSSES	T10F	1	24T10F x 19'-11"	BT 210F
	T10G	1	24T10G x 19'-11"	BT 210G
	T10H	1	24T10H x 19'-11"	BT 210H
	T16A	1	24T16A x 19'-11"	BT 216A
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ⌀ x 1'-3"	ST 400
	CB4	6	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

PANEL DR7A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-31 PLATE

APPROVED - FOR FABRICATION [signature] FOR PONYA DATE 6/6/69

DRAWN BY [initials] DATE MAY 8, 1969

APPROVED FOR FABRICATION BY [stamp] DATE

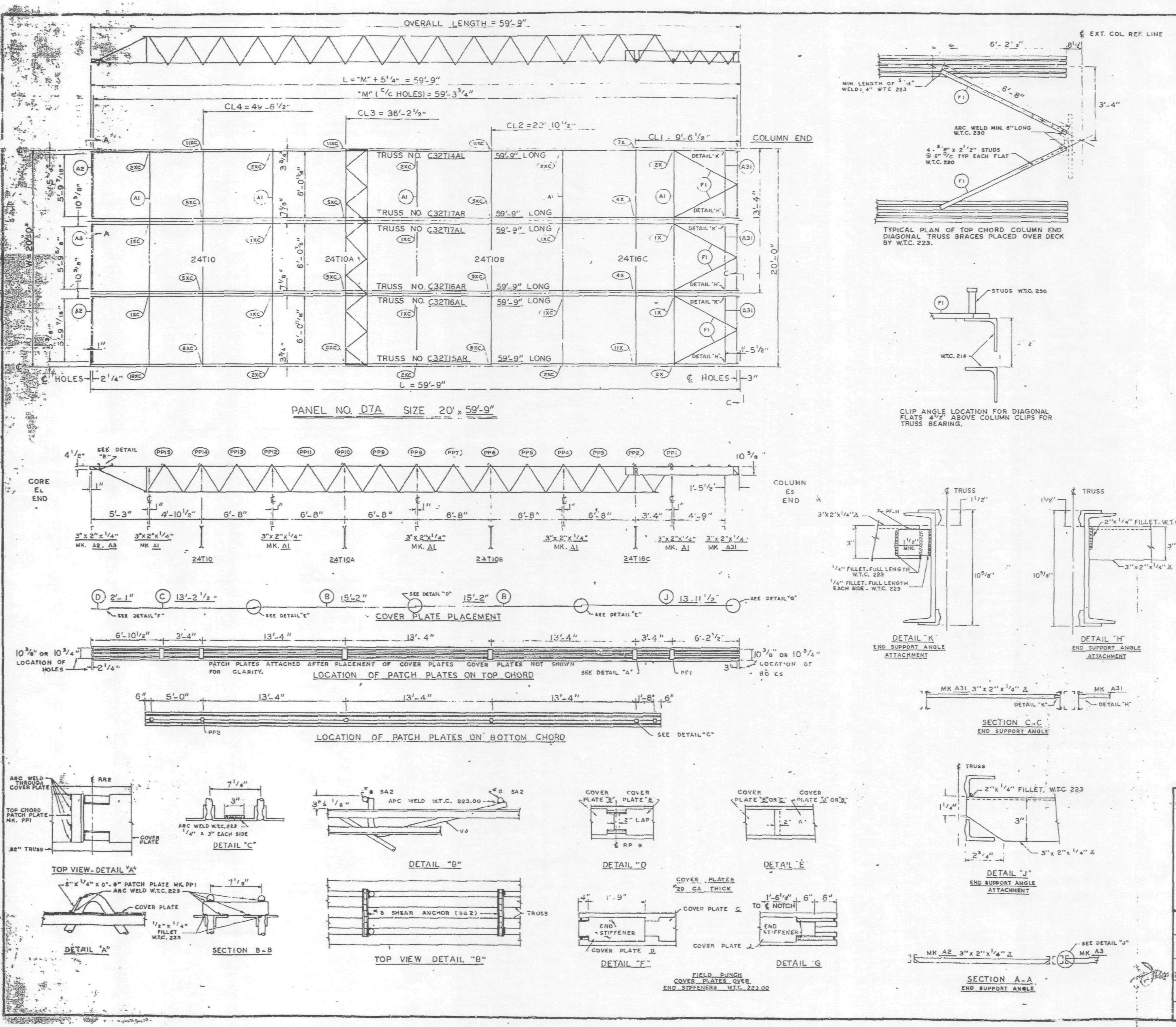
CHECKED BY T.M. CHURA DATE MAY 8, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

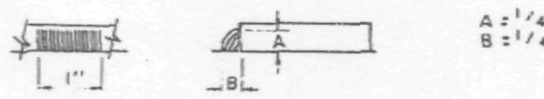
FABRICATION CONT NO W.T.C. 221

SHEET NO FP DR7A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	1	C32T14AL x 59'-9"	ST 214AL
	T15AR	1	C32T15AR x 59'-9"	ST 215AL
	T16AL	1	C32T16AL x 59'-9"	ST 216AL
	T16AR	1	C32T16AR x 59'-9"	
	T17AL	1	C32T17AL x 59'-9"	ST 217AL
	T17AR	1	C32T17AR x 59'-9"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210
	T10A	1	24T10A x 19'-11"	BT 210A
	T10B	1	24T10B x 19'-11"	BT 210B
	T16C	1	24T16C x 19'-11"	BT 216C
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWG.

7-A83-30	10-4-68
7-A84-28	7-22-68
7-A81-13	10-4-68
7-A81-14, 15 & 16	10-4-68
7-A82-13	10-4-68
7-A82-17	10-4-68
SB-124	3-24-69

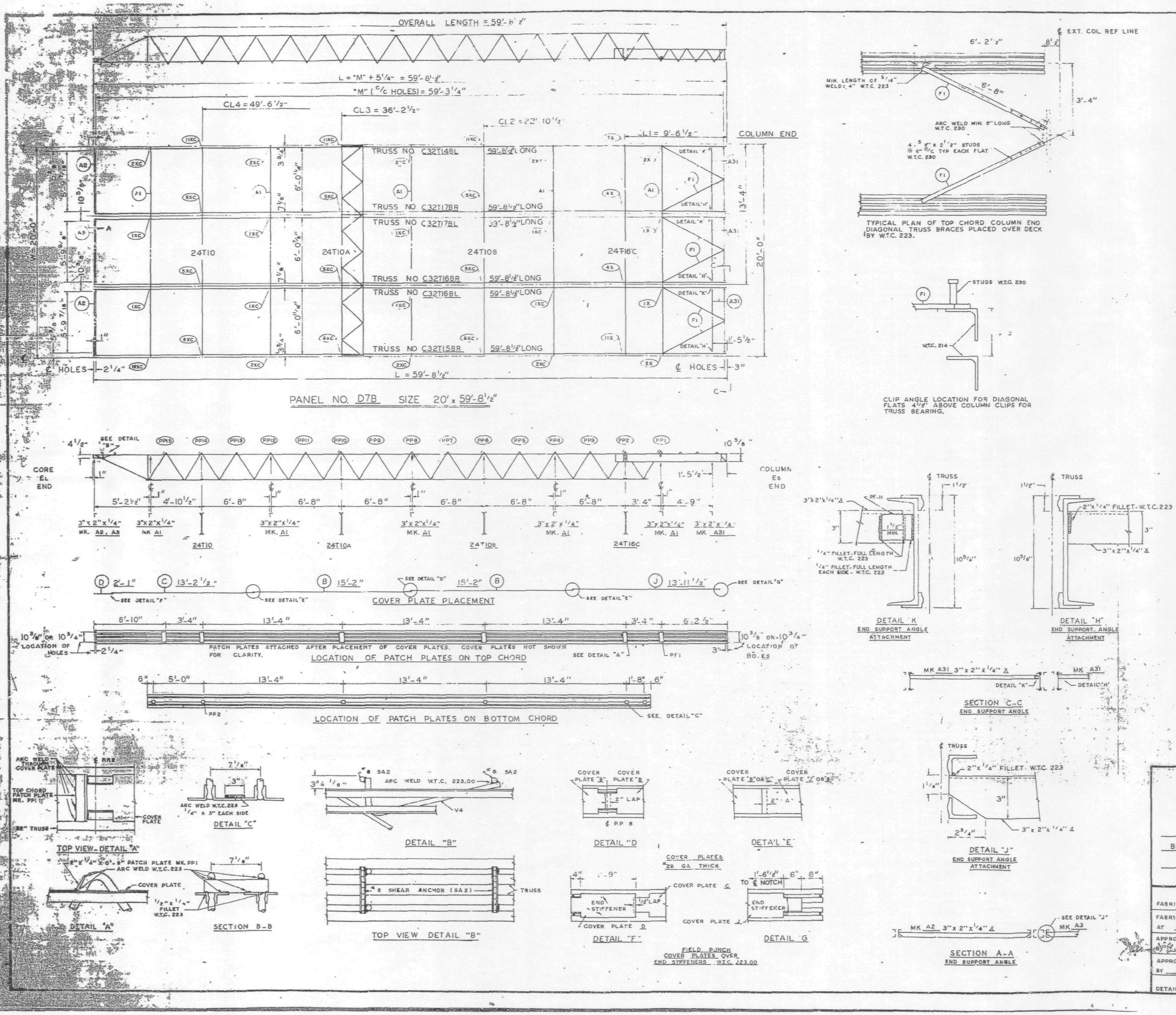
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

PANEL D7A - 20' x 59'-9"

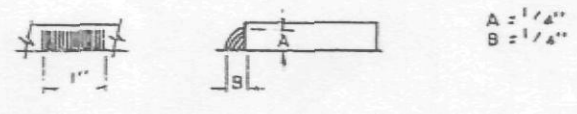
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-30	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA	DATE 6/6/69	DRAWN BY [illegible] DATE MAY 8, 1969	
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE MAY 8, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A. C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP D7A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14BL	1	C32T14BL x 59'-8 1/2"	ST 214BL
	T15BR	1	C32T15BR x 59'-8 1/2"	ST 215BL
	T16BL	1	C32T16BL X 59'-8-1/2"	ST 216BL
	T16BR	1	C32T16BR X 59'-8-1/2"	
	T17BL	1	C32T17BL X 59'-8-1/2"	ST 217BL
	T17BR	1	C32T17BR X 59'-8-1/2"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210
	T10A	1	24T10A x 19'-11"	BT 210A
	T10B	1	24T10B x 19'-11"	BT 210B
	T16C	1	24T16C x 19'-11"	BT 216C
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF DRWG.

7-AB3-30	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

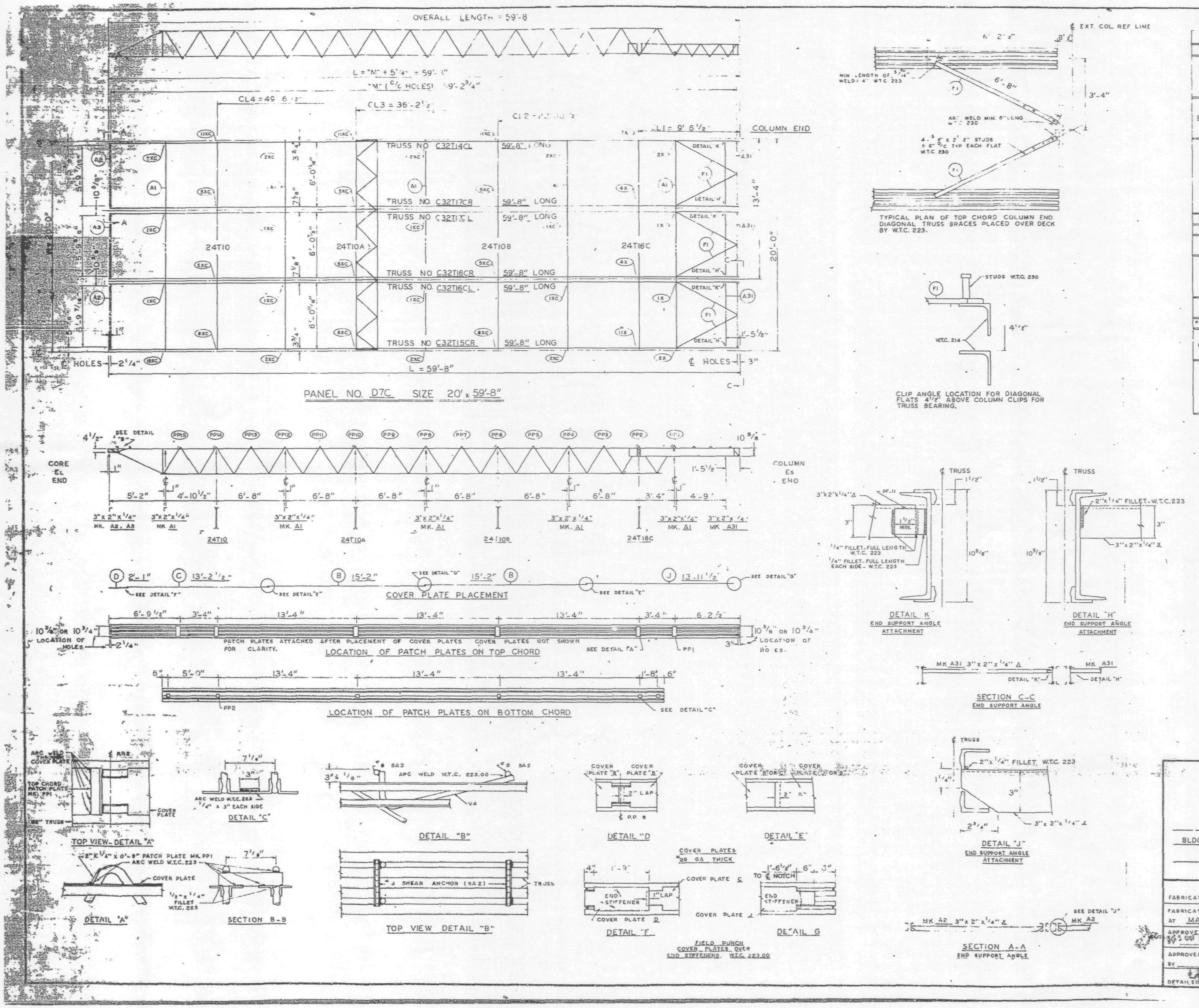
BLDG. 8 FLOORS 92 (WEST)

PANEL D7B. - 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO 7-AB3-30 PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA — DATE 6/6/69	DRAWN BY [signature] DATE MAY 8, 1969
APPROVED FOR FABRICATION BY ... FOR FABRICATOR — DATE	CHECKED BY T.M. CHURA DATE MAY 8, 1969 — IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER	FABRICATION CONT NO W.T.C. 221 — SHEET NO FP D7B

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14BL	1	C32T14BL x 59'-8"	ST 214BL
	T15BR	1	C32T15BR x 59'-8"	ST 215BL
	T16BL	1	C32T16BL x 59'-8"	ST 216BL
	T16BR	1	C32T16BR x 59'-8"	
	T17BL	1	C32T17BL x 59'-8"	ST 217BL
	T17BR	1	C32T17BR x 59'-8"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210
	T10A	1	24T10A x 19'-11"	BT 210A
	T10B	1	24T10B x 19'-11"	BT 210B
	T16C	1	24T16C x 19'-11"	BT 216C
3" x 2" x 1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 3/4"	ST 403
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
	CB4	6	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF DRWG.		
	7-AB3-30	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB1-14, 15 & 16	10-4-68
	7-AB2-13	10-4-68
	7-AB2-17	10-4-68
	SB-124	3-24-69

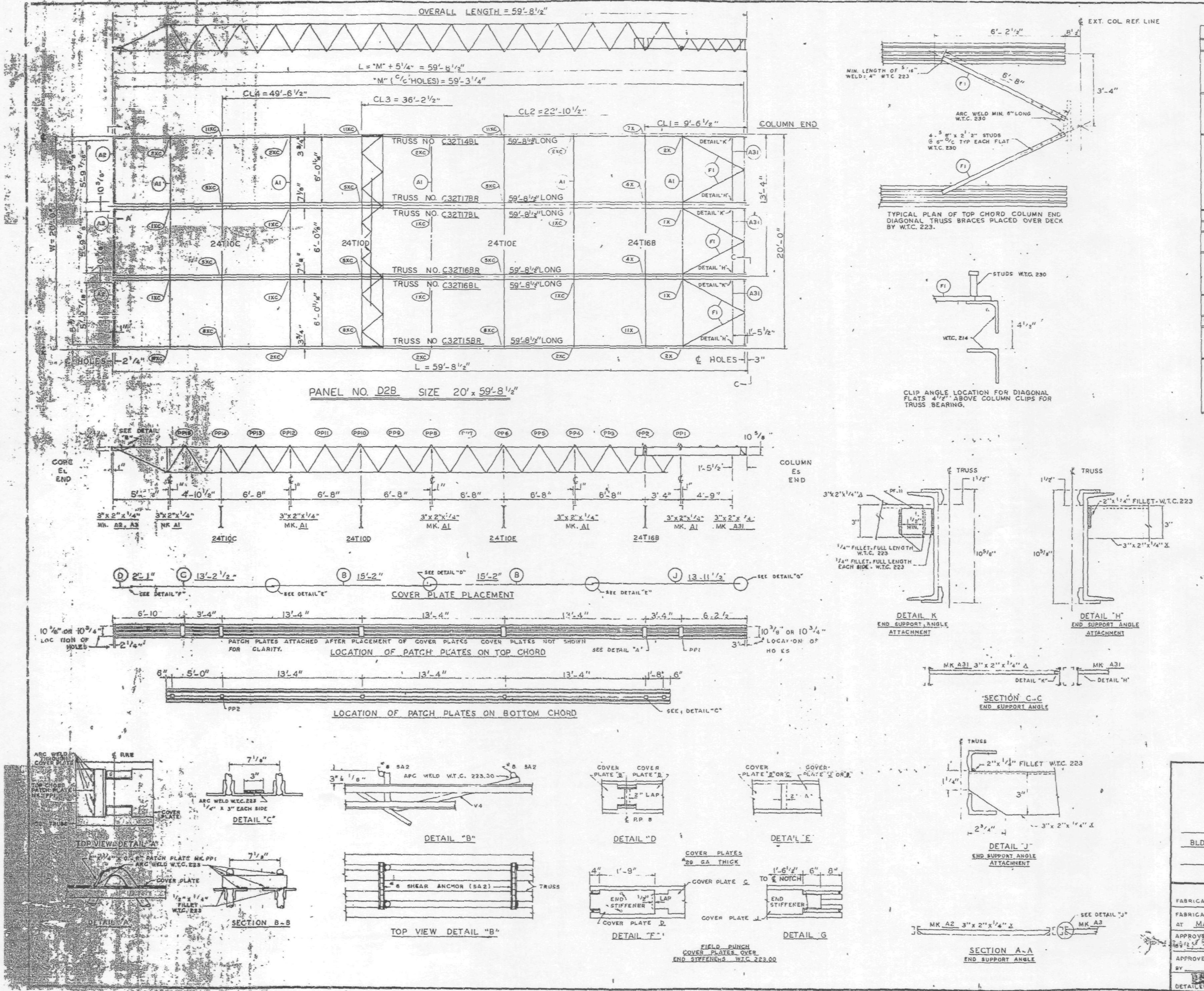
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

PANEL D7C - 20' x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-30	PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA	DATE 6/6/69	DRAWN BY [signature] DATE MAY 8, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE MAY 8, 1969	IN CHARGE OF PROD. DEV
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP D7C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14BL	1	C32T14BL x 59'-8 1/2"	ST 214BL
	T15BR	1	C32T15BR x 59'-8 1/2"	ST 215BL
	T16BL	1	C32T16BL X 59'-8-1/2"	ST 216BL
	T16BR	1	C32T16BR X 59'-8-1/2"	
	T17BL	1	C32T17BL X 59'-8-1/2"	ST 217BL
	T17BR	1	C32T17BR X 59'-8-1/2"	
BRIDGING TRUSSES	T10C	1	24T10C x 19'-11"	BT 210C
	T10D	1	24T10D x 19'-11"	BT 210D
	T10E	1	24T10E x 19'-11"	BT 210E
	T16B	1	24T16B x 19'-11"	BT 216B
3"x 2"x 1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 3/4"	ST 403
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P4	3	6 1/2"x 1/2"x 0'-8"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401
	P9	6	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie.. (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF DRWG.

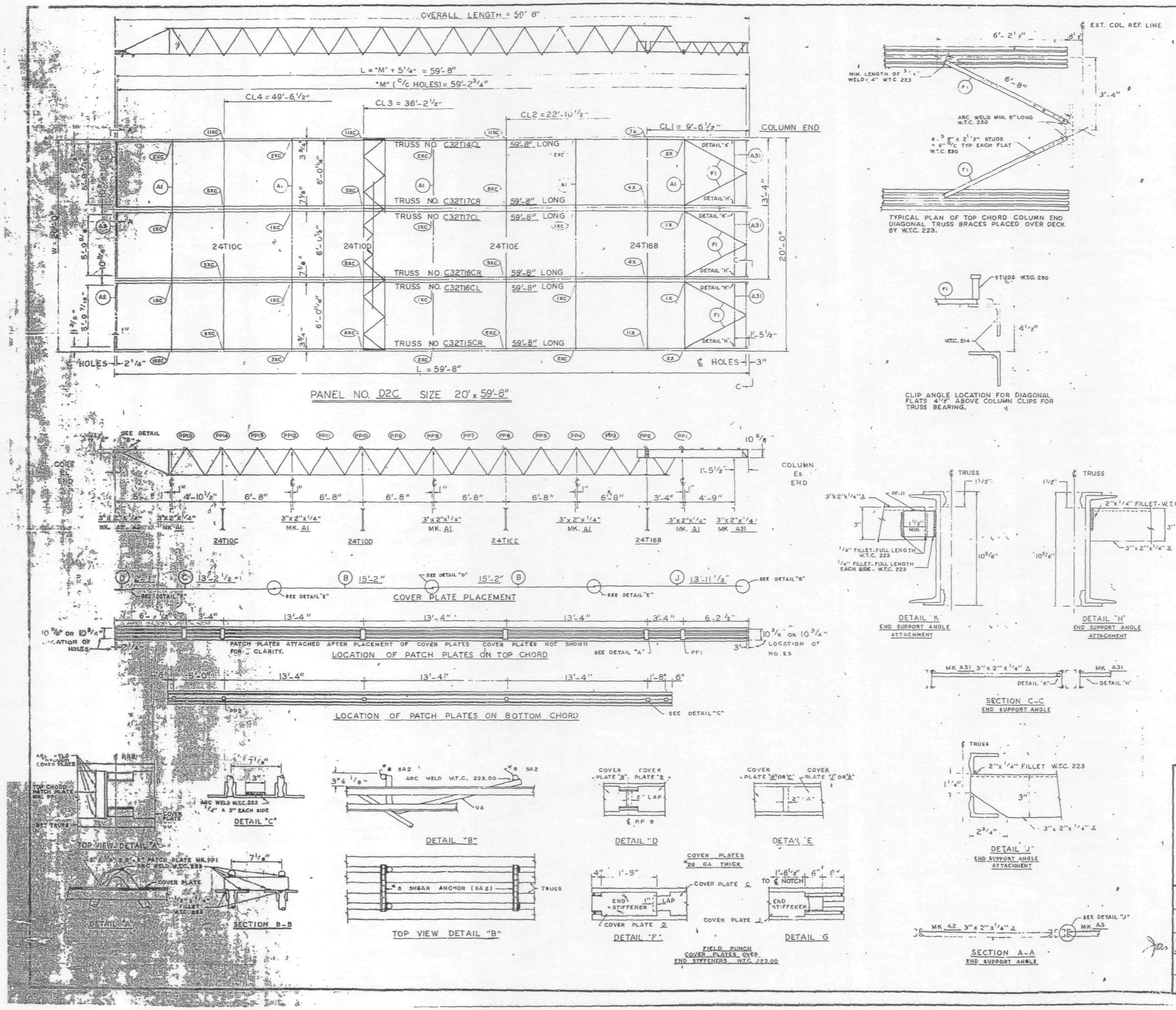
7-AB3-30	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)

PANEL D2B - 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-30 PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBL
FABRICATION CONT NO W.T.C. 221
SHEET NO FP D2B



REQUIRED MATERIAL: PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	1	C32T14CL x 59'-8"	ST 214CL
	T15CR	1	C32T15CR x 59'-8"	ST 215CL
	T16CL	1	C32T16CL x 59'-8"	ST 216CL
	T16CR	1	C32T16CR x 59'-8"	
	T17CL	1	C32T17CL x 59'-8"	ST 217CL
	T17CR	1	C32T17CR x 59'-8"	
BRIDGING TRUSSES	T10C	1	24T10C x 19'-11"	BT 210C
	T10D	1	24T10D x 19'-11"	BT 210D
	T10E	1	24T10E x 19'-11"	BT 210E
	T16B	1	24T16B x 19'-11"	BT 216B
3"x 2"x 1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 3/4"	ST 403
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF DRWG.

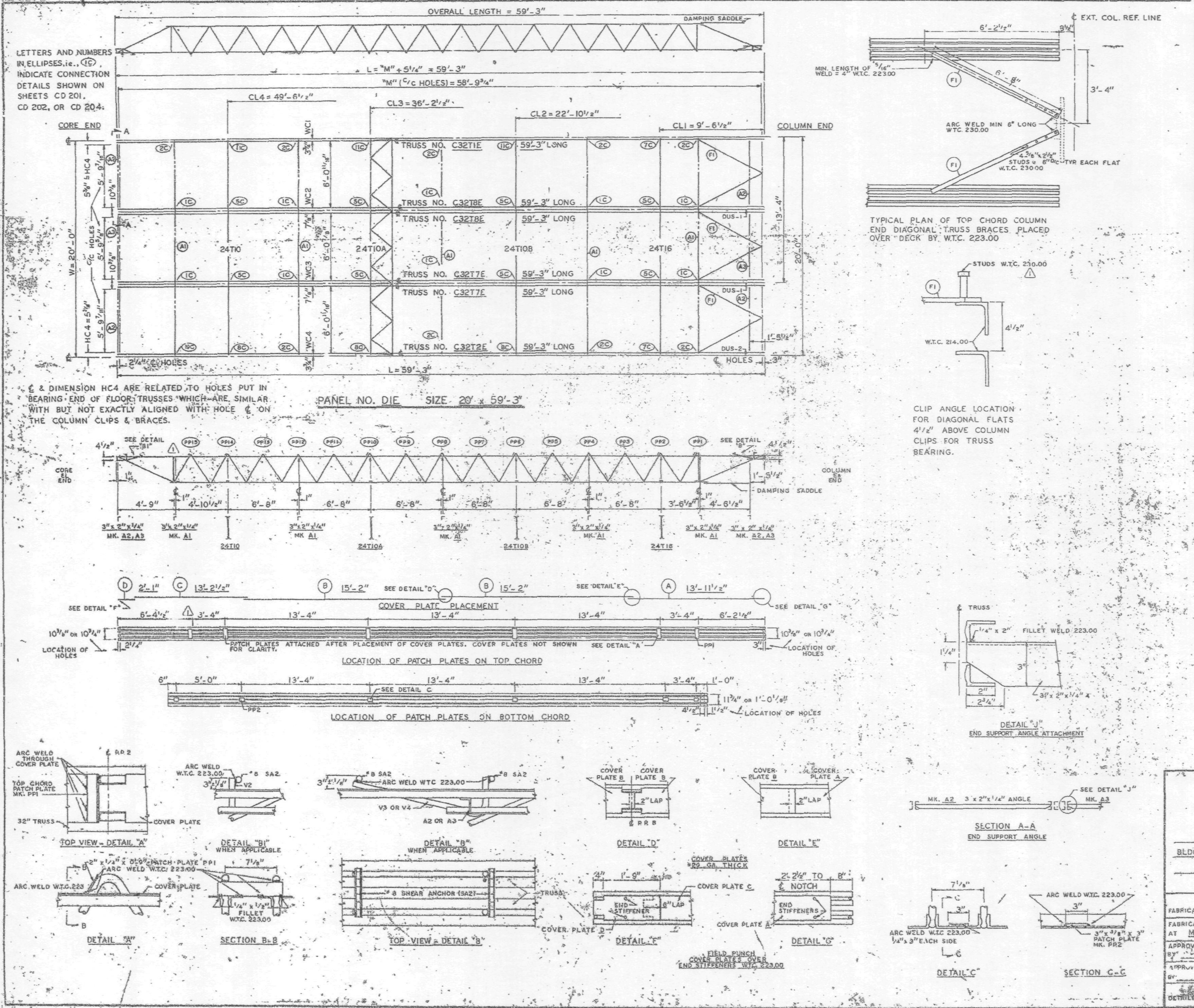
7-AB3-30	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL D2C - 20' x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-30 PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA DATE 6/6/69
DRAWN BY [initials] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP D2C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-8"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

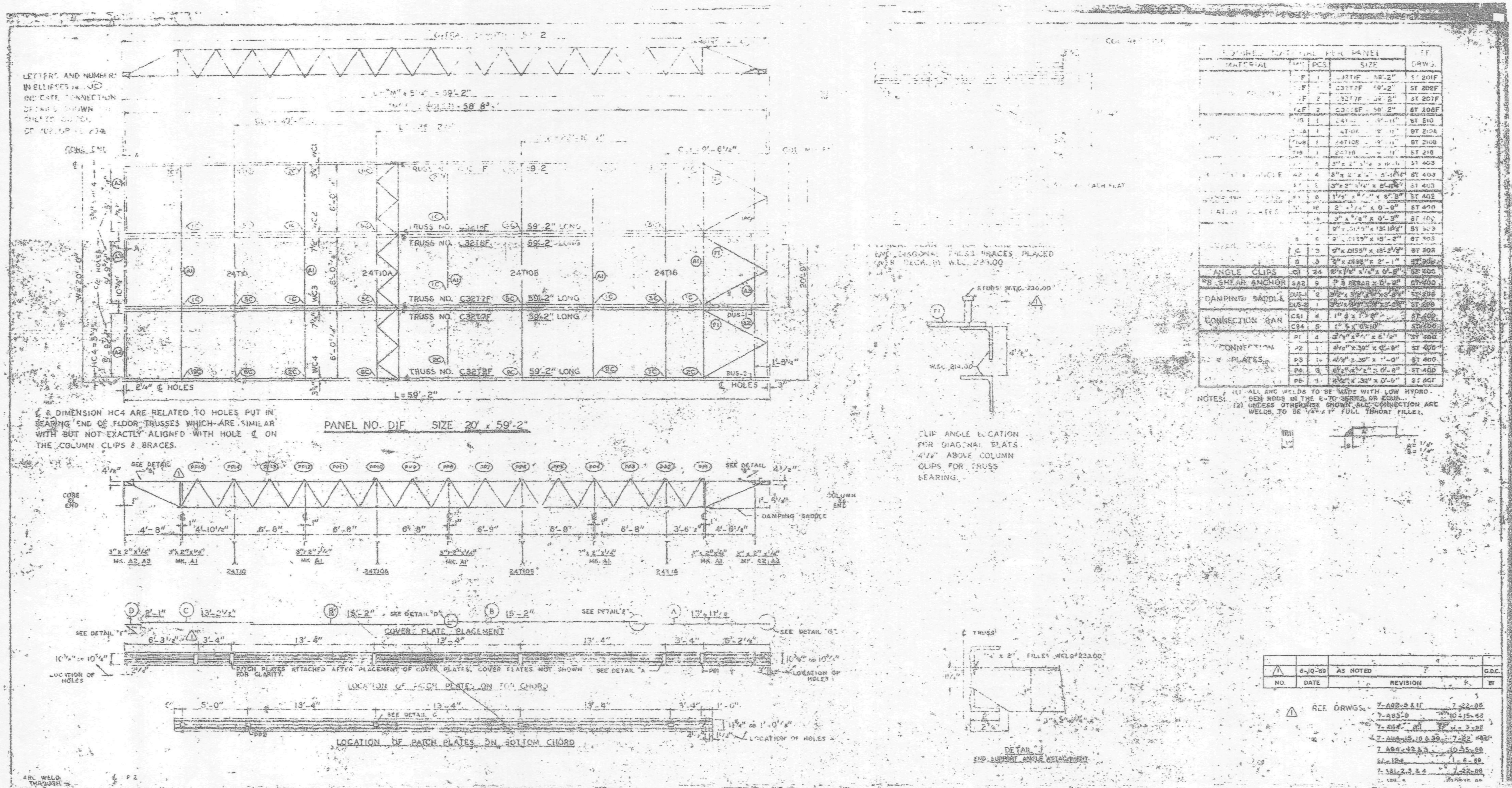
NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

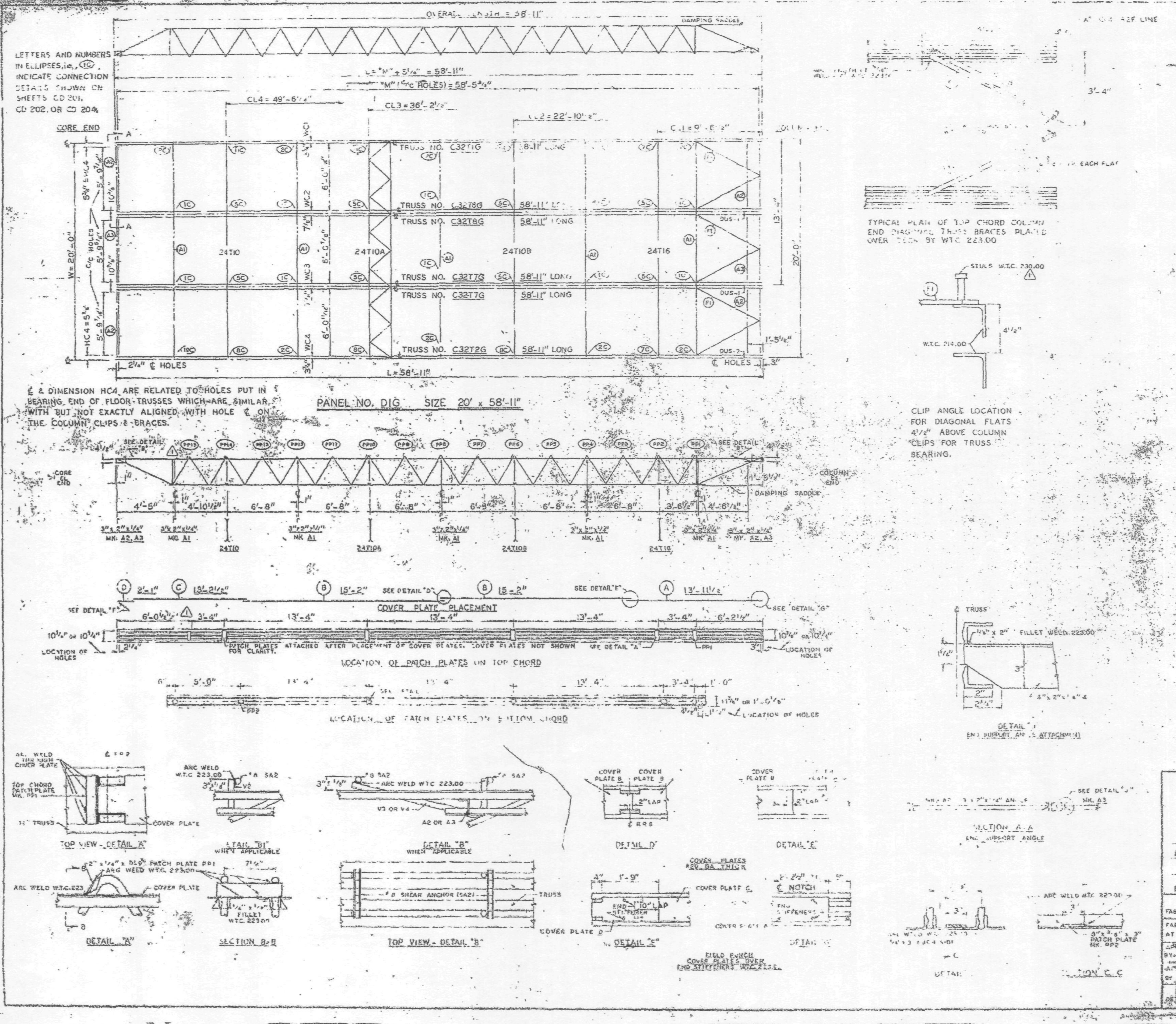
REF. DRWGS.
7-AB2-5 & 11 — 7-22-68
7-AB3-9 — 10-15-68
7-AB4-3.1 — 1-3-68
7-AB4-15 & 16, 39 — 7-22-68
(1) 7-AB4-3 & 42 — 10-15-68
3A-124 — 1-6-69
7-AB1-2, 3 & 4 — 7-22-68
7-AB1-3, 4 & 5 — 10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH & SOUTH)
PANEL DIE - 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9 — 4-15-68
PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE
DRAWN BY: gdc DATE JULY 22, 1968
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY: T.M. CHURA DATE JULY 22, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY: CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP DIE


LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN
CORE END
TRUSS NO. C3216F 59'-2" LONG
TRUSS NO. C3217F 59'-2" LONG
TRUSS NO. C32T2F 59'-2" LONG
24T10
24T10A
24T10B
24T16
2¼" ℄ HOLES
L=59'-2"
℄ HOLES
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D1F SIZE 20' x 59'-2"
SEE DETAIL "B"
CORE END
COLUMN END
DAMPING SADDLE
4'-8"
4'-10½"
6'-8"
6'-8"
6'-8"
5'-9"
8'-8"
6'-8"
3'-6"
4'-8½"
MK. A2, A3
MK. A1
COVER PLATE PLACEMENT
SEE DETAIL "C"
SEE DETAIL "D"
SEE DETAIL "A"
LOCATION OF HOLES
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL PLATES. 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
FILLET WELD 223.00
MATERIAL
PCS
SIZE
REF. DRWG.
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.
AS NOTED
NO.
DATE
REVISION
REF. DRWGS.
ARC WELD THROUGH



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1G	1	C32T1G - 58'-11"	ST 201G
	T2G	1	C32T2G - 58'-11"	ST 202G
	T7G	2	C32T7G - 58'-11"	ST 207G
	T8G	2	C32T8G - 58'-11"	ST 208G
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 3/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
FILLER PLATES	FF1	18	2" x 1/4" x 0'-9"	ST 400
	FF2	8	[illegible] x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	[illegible] x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	[illegible] x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-[illegible]	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 3'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CS1	4	1" ⌀ x 1'-3"	ST 400
	CS2	6	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	P1	[illegible]	[illegible]	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	8 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

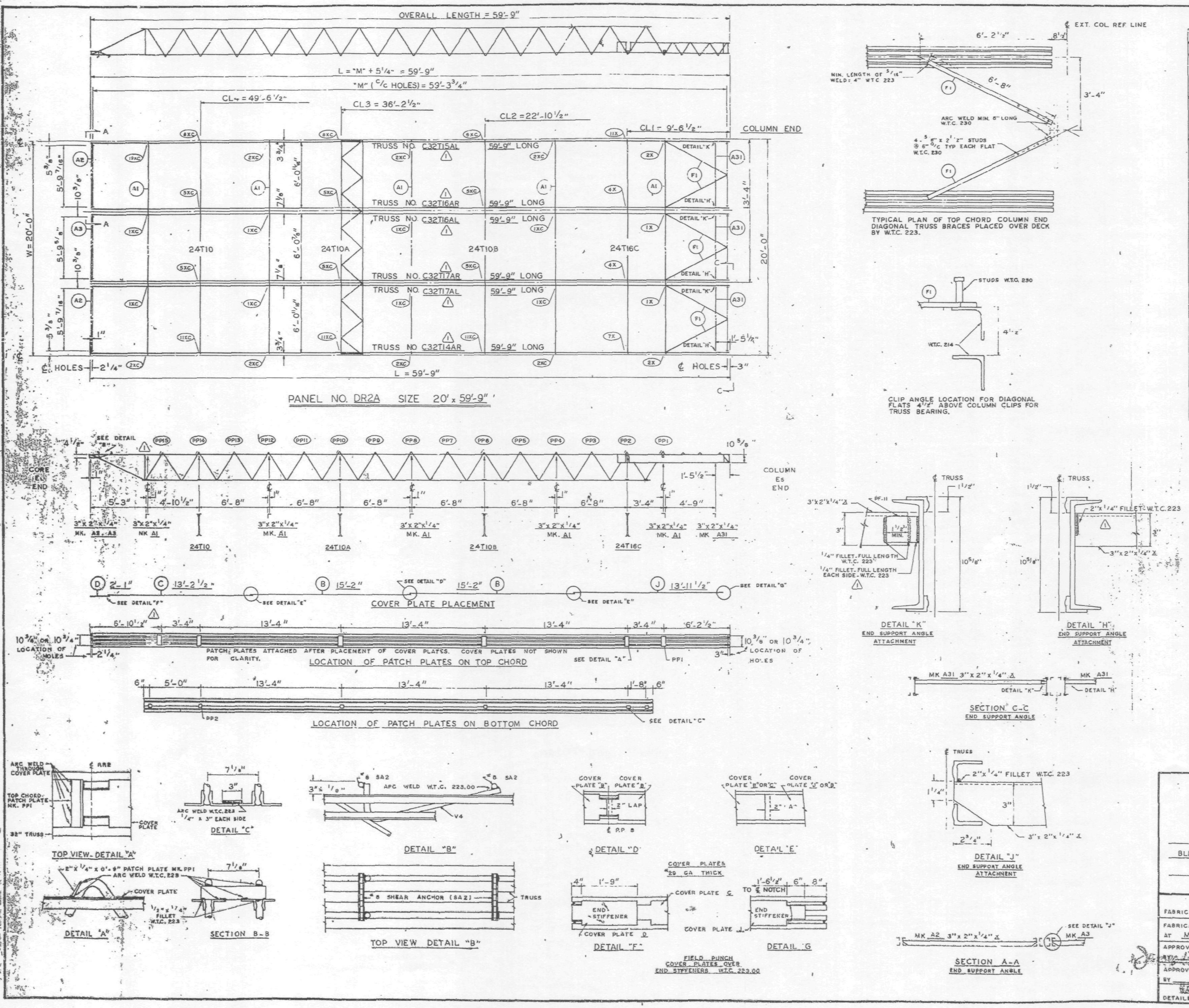
NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	

REF. DRWGS.
- 7-A8B-5 & 11 — 7-22-68
- 7-A83-9 — 10-15-68
- 7-A84-[illegible] — [illegible]
- 7-A84-15, 16 & 39 — 7-22-68
- 7-A84-47 & 3 — 10-15-68
- SC-124 — 1-6-69
- 7-A81-2, 3 & 4 — 7-22-68
- 7-A81-5 — 10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (N & S)
PANEL DIG - 20' x 58'-11"
BLDG. B FLOORS 39-40 (EAST & WEST) △1

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-9	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.N.Y.A.	DATE 1/2/70	DRAWN BY [illegible] DATE OCT. 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: V.M. CHURA DATE OCT. 24, 1968	IN CHARGE OF PROD. [illegible]
LACLEDE STEEL CO. DETAILED BY: R. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-DIG



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES ⚠1	T14AR	1	C32T14AR x 59'-9"	ST 214AL
	T15AL	1	C32T15AL x 59'-9"	ST 215AL
	T16AL	1	C32T16AL x 59'-9"	ST 216AL
	T16AR	1	C32T16AR x 59'-9"	
	T17AL	1	C32T17AL x 59'-9"	ST 217AL
	T17AR	1	C32T17AR x 59'-9"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210C
	T10A	1	24T10A x 19'-11"	BT 210D
	T10B	1	24T10B x 19'-11"	BT 210E
	T16C	1	24T16C x 19'-11"	BT 216B
3"x 2"x 1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 3/4"	ST 403
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	5	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
⚠2	5-12-69	REF. DRWG.	G.D.C.
⚠1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
⚠2 7-AB2-5	7-22-68
7-AB2-17	10-4-68
SA-124	10-11-68

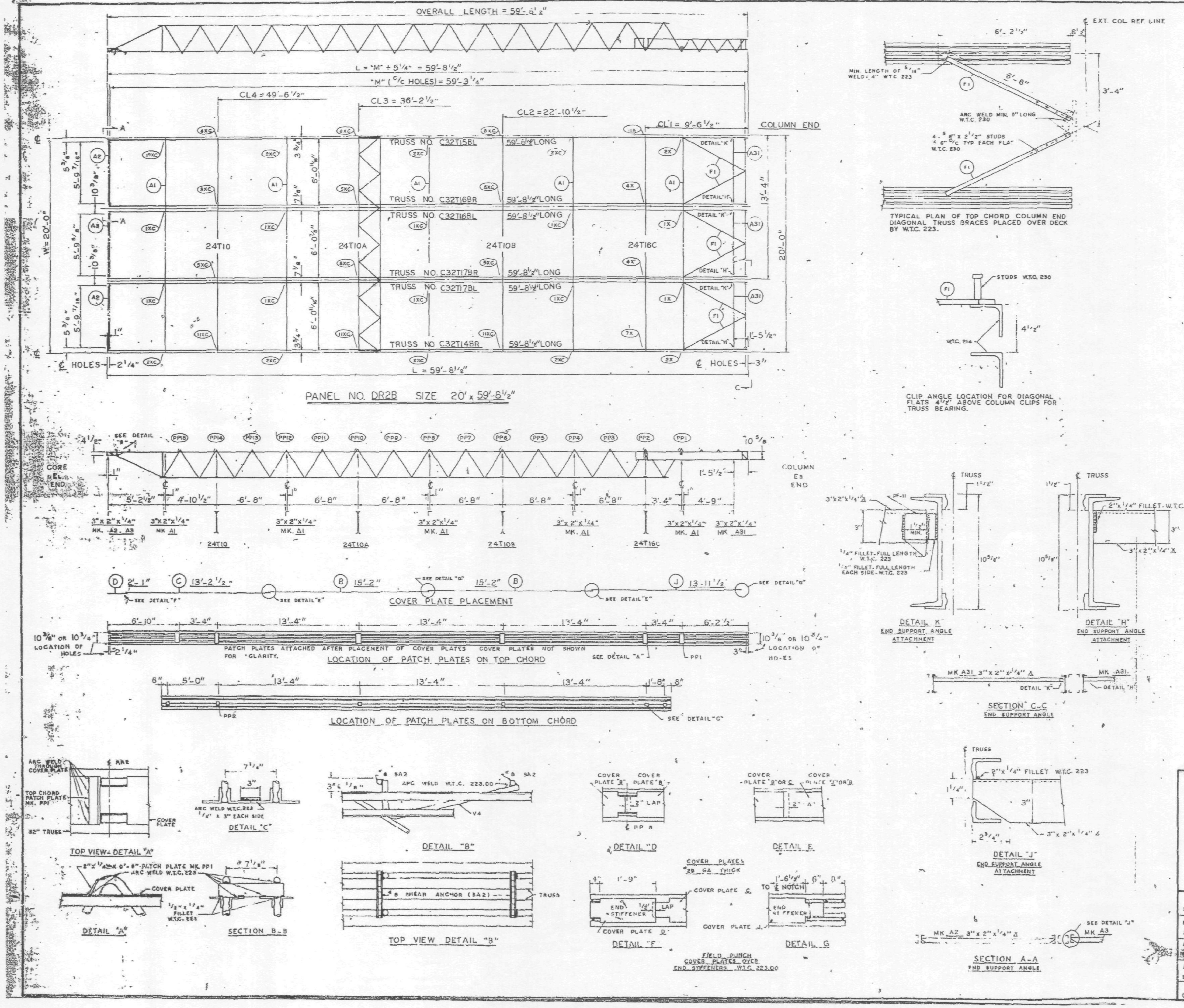
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL DR2A - 20' x 59'-9"

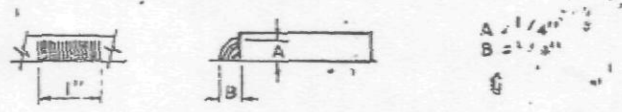
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-31	PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A.	DATE 6/6/69	DRAWN BY [initials] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP DR2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14BR	1	C32T14BR x 59'-8 1/2"	ST 214BL
	T15BL	1	C32T15BL x 59'-8 1/2"	ST 215BL
	T16BL	1	C32T16BL X 59'-8-1/2"	ST 216BL
	T16BR	1	C32T16BR X 59'-8-1/2"	
	T17BL	1	C32T17BL X 59'-8-1/2"	ST 217BL
	T17BR	1	C32T17BR X 59'-8-1/2"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210C
	T10A	1	24T10A x 19'-11"	BT 210D
	T10B	1	24T10B x 19'-11"	BT 210E
	T16C	1	24T16C x 19'-11"	BT 216B
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A?	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14; 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SA-124	10-11-68

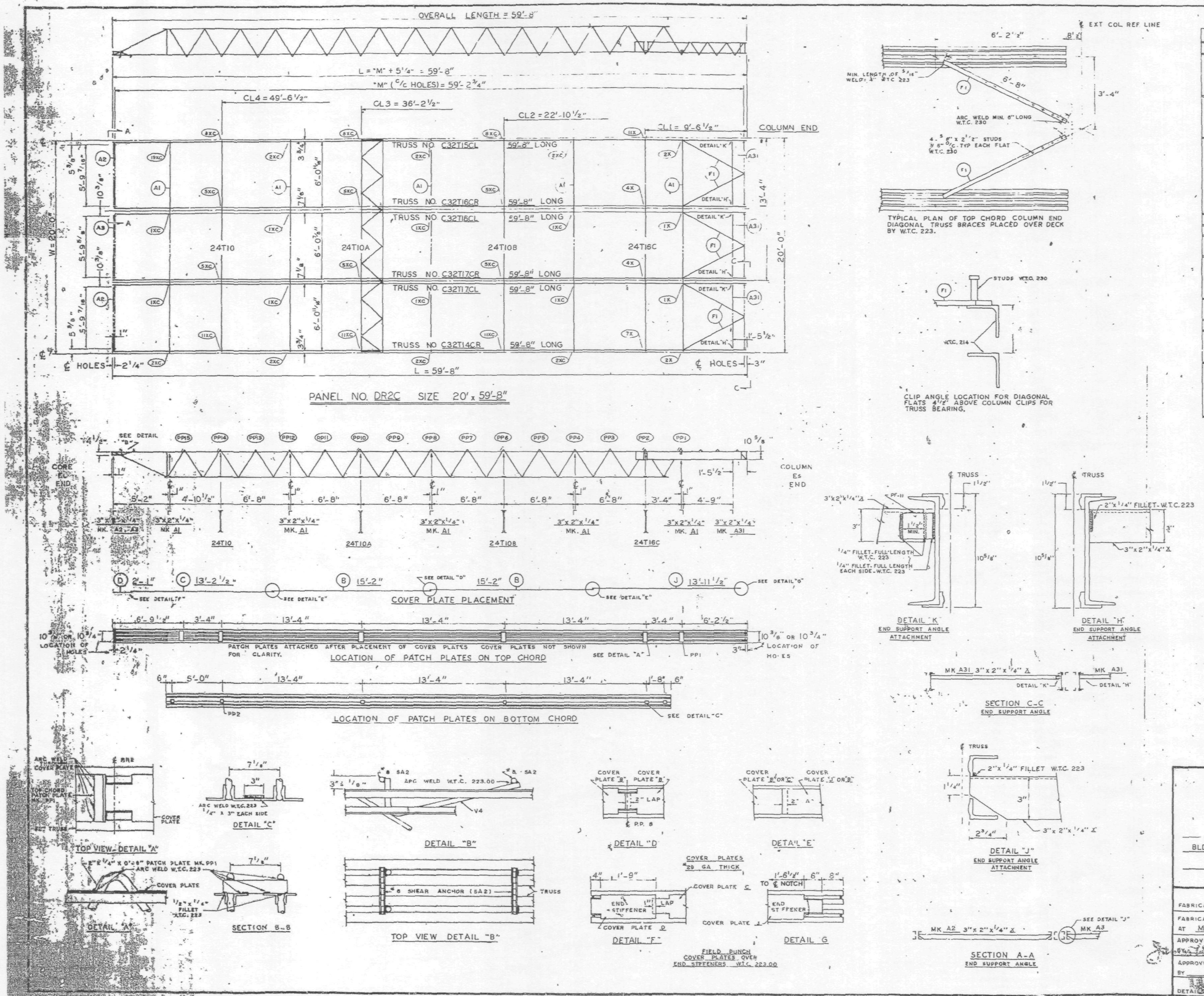
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 32 (NORTH)

PANEL DR29 - 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-31	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA	DATE 6/6/69	DRAWN BY [illegible] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP DR2B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CR	1	C32T14CR x 59'-8"	ST 214CL
	T15CL	1	C32T15CL x 59'-8"	ST 215CL
	T16CL	1	C32T16CL x 59'-8"	ST 216CL
	T16CR	1	C32T16CR x 59'-8"	
	T17CL	1	C32T17CL x 59'-8"	ST 217CL
	T17CR	1	C32T17CR x 59'-8"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210C
	T10A	1	24T10A x 19'-11"	BT 210D
	T10B	1	24T10B x 19'-11"	BT 210E
	T16C	1	24T16C x 19'-11"	BT 216B
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
	CB4	6	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SA-124	10-11-68

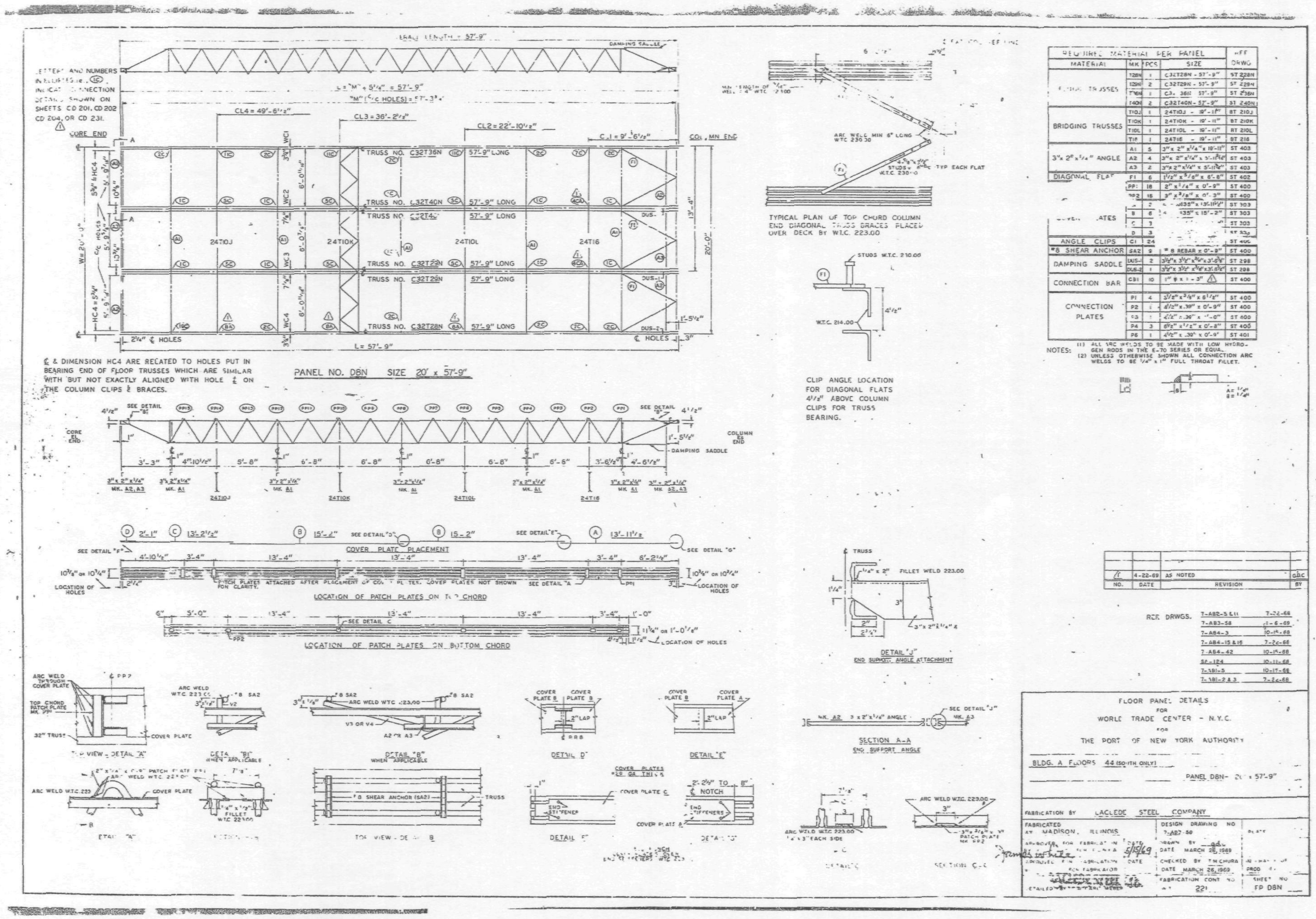
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

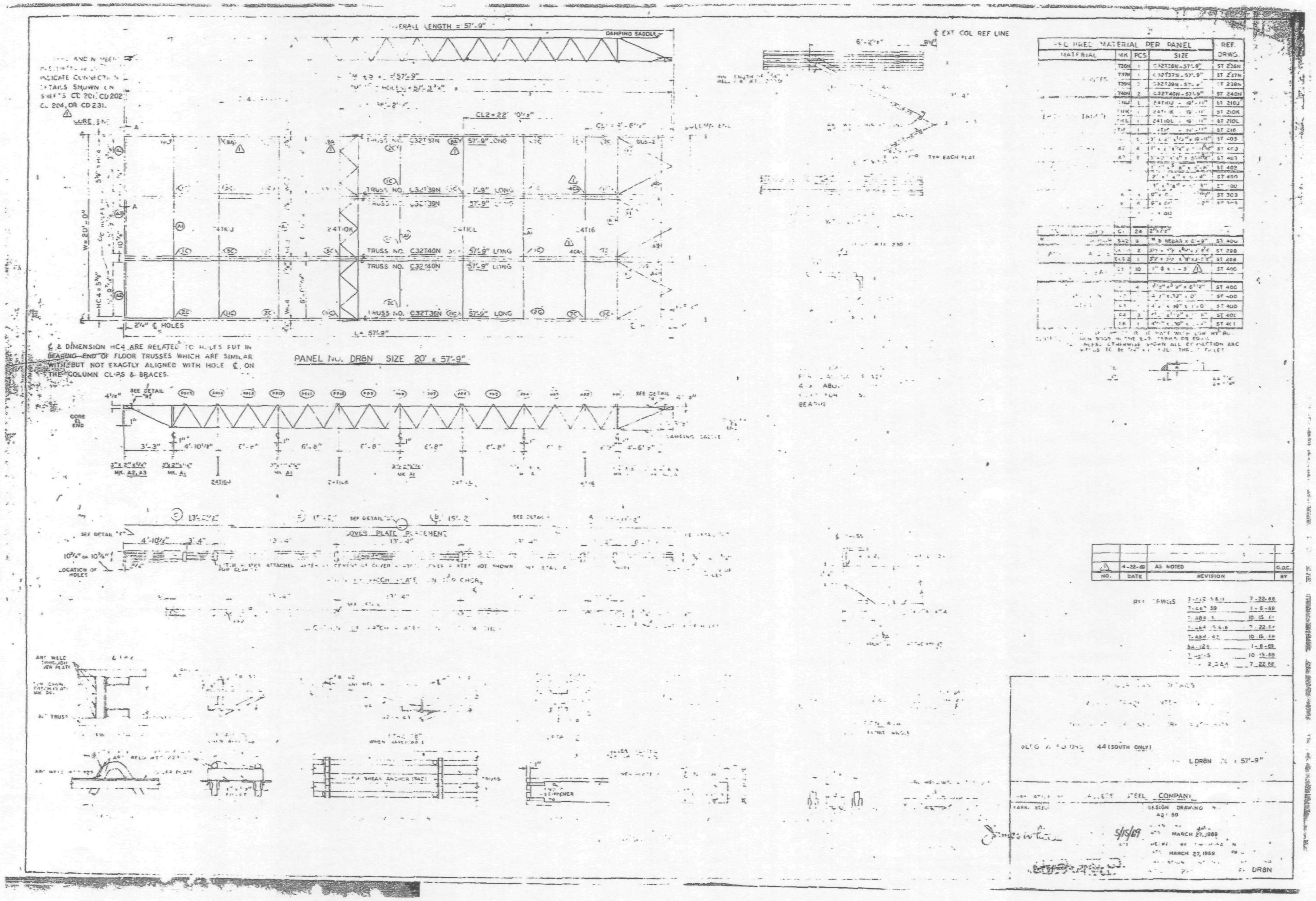
BLDG A FLOORS 59 & 92 (SOUTH)

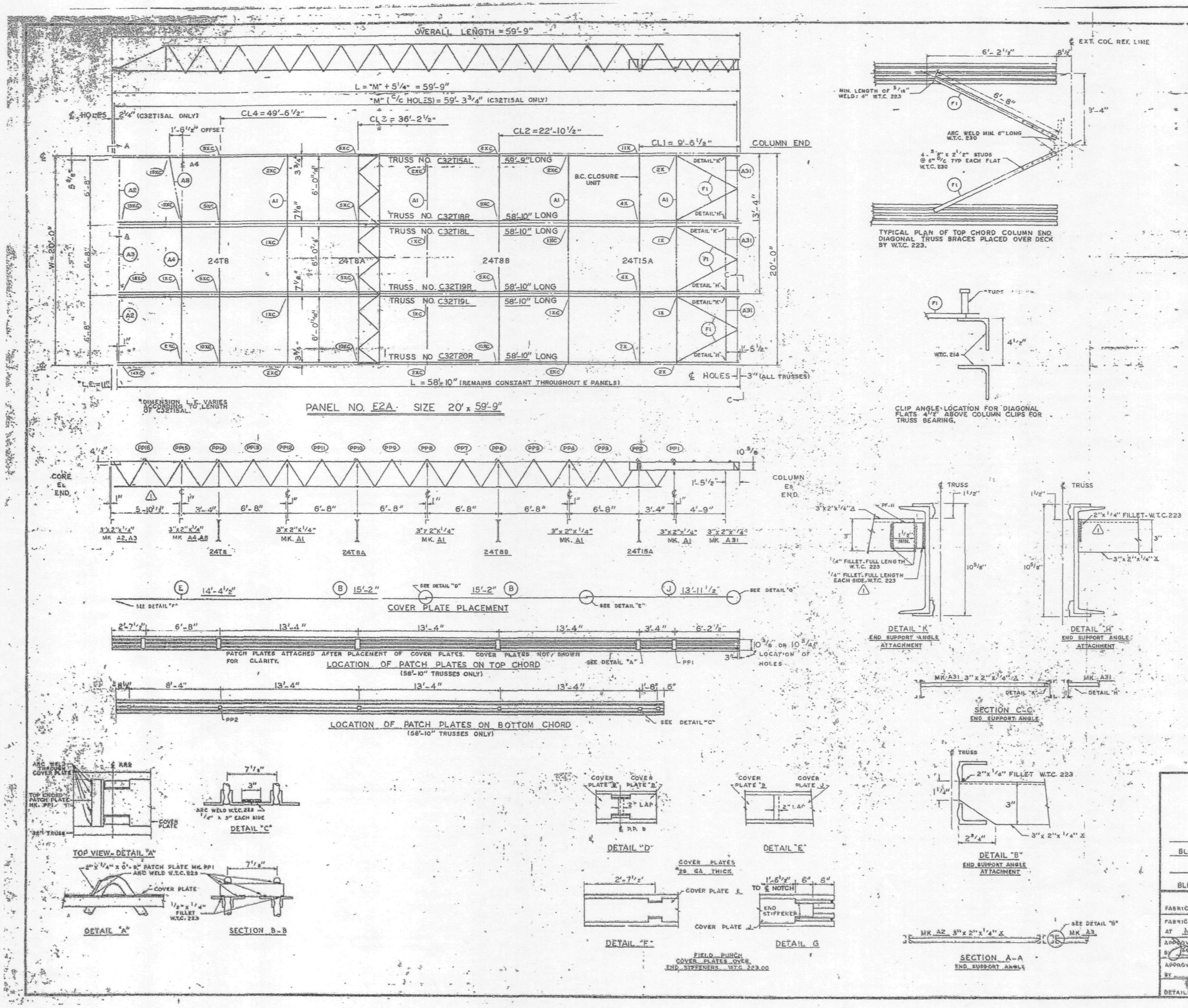
PANEL DR2C - 20' x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-31	PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA	DATE 6/6/69	DRAWN BY [signature] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP DR2C


PANEL NO. DBN SIZE 20' x 57'-9"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
SECTION A-A
END SUPPORT ANGLE
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
DETAIL "D"
DETAIL "E"
REF. DRWGS.
7-AB2-5 & 11 7-22-68
7-AB3-58
7-AB4-3
7-AB4-15 & 15
7-AB4-42 10-15-68
SA-124 10-11-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 44 (SOUTH ONLY)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO
DATE MARCH 26, 1969
CHECKED BY T.M. CHURA
DATE MARCH 26, 1969
FABRICATION CONT NO
221
SHEET NO
FP DBN


OVERALL LENGTH = 57'-9"
DAMPING SADDLE
EXT COL REF LINE
TRUSS NO. C32T37N 57'-9" LONG
TRUSS NO. C32T39N 57'-9" LONG
TRUSS NO. C32T40N 57'-9" LONG
TRUSS NO. C32T40N 57'-9" LONG
TRUSS NO. C32T36N 57'-9" LONG
24T10J
24T10K
24T10L
24T16
2 1/4" ℄ HOLES
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DR8N SIZE 20' x 57'-9"
SEE DETAIL
COVER PLATE PLACEMENT
LOCATION OF HOLES
MATERIAL PER PANEL
MATERIAL
MK
PCS.
SIZE
REF. DRWG.
T36N 1 C32T36N-57'-9" ST 236N
T37N 1 C32T37N-57'-9" ST 237N
T39N C32T39N-57'-9" ST 239N
T40N 2 C32T40N-57'-9" ST 240N
24T10J - 19'-11" ST 210J
ST 210K
24T10L - 19'-11" ST 210L
ST 216
ST 403
ST 402
ST 400
ST 303
#5 REBAR
ST 288
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE FILLET
4-22-69 AS NOTED
NO. DATE REVISION BY
REF DWGS
7-22-68
1-6-69
10-15-68
7-22-68
10-15-68
1-6-69
10-15-68
7-22-68
44 (SOUTH ONLY)
DR8N 57'-9"
STEEL COMPANY
DESIGN DRAWING
MARCH 27, 1969
MARCH 27, 1969
5/15/69
DR8N



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15AL	1	C32T15AL x 59'-9"	ST 215AL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" ◻ x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2 1/2" x 1 1/2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST 400
	CB2	6	1 3/8" ⌀ x 1'-3"	ST 400
	CB3	6	1 3/8" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

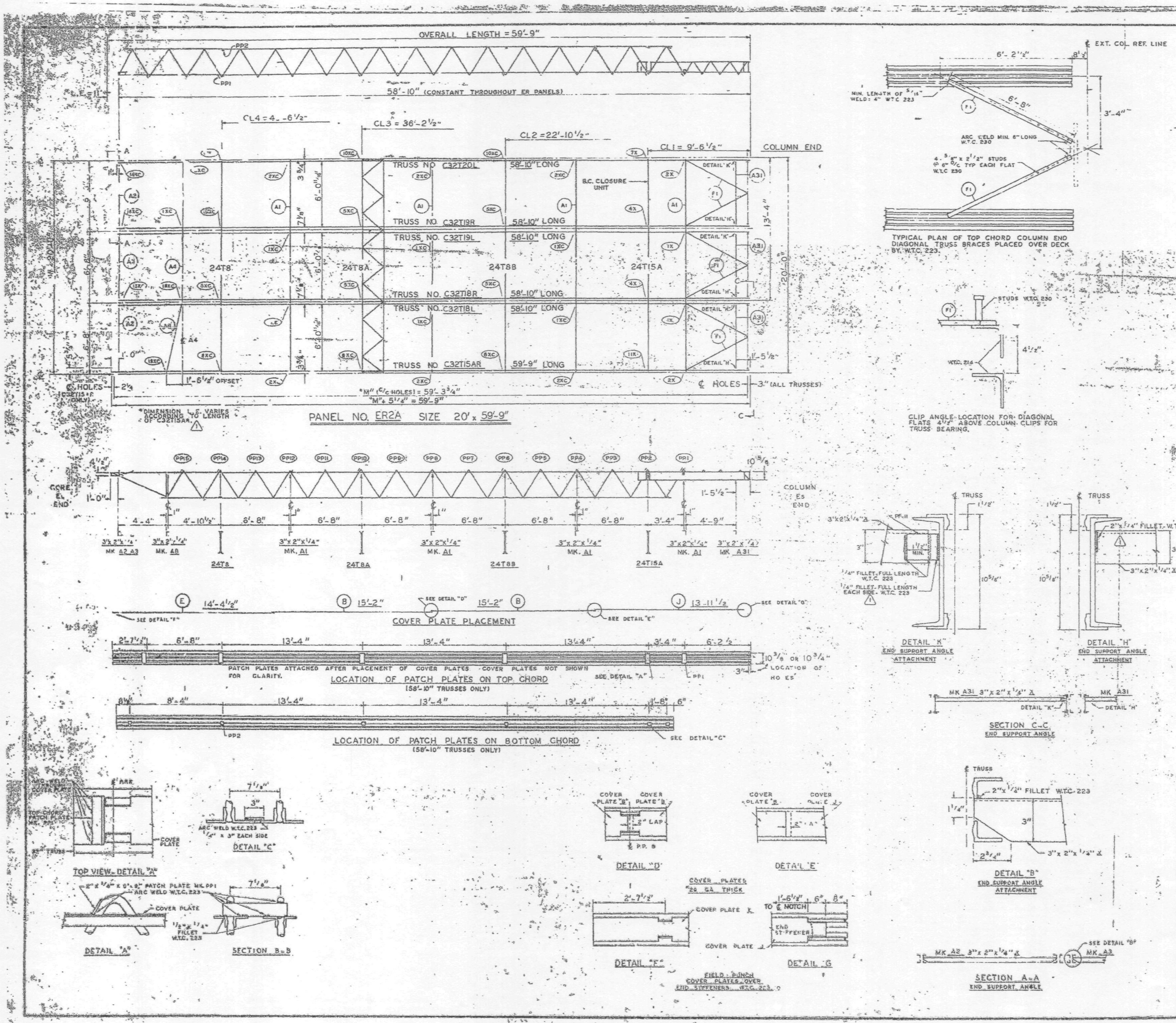
REF. DRWG.
7-AB3-32 10-4-68
7-AB3-24 8-15-68
7-AB1-14, 17, 18 & 19 10-4-68
7-AB2-3 7-22-68
7-AB2-14 10-4-68
SA-124 10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)
E2A - 20' x 59'-9"
BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-32 PLATE	
APPROVED FOR FABRICATION BY James White FOR PNYA	DATE 1/2/70	DRAWN BY [signature] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP-E2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15AR	1	C32T15AR x 59'-9"	ST 215AL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20L	1	C32T20L x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-1"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" □ x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2" x 1 1/2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/8" Ø x 1'-3"	ST 400
	CB3	6.	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (IX).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB3-23	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

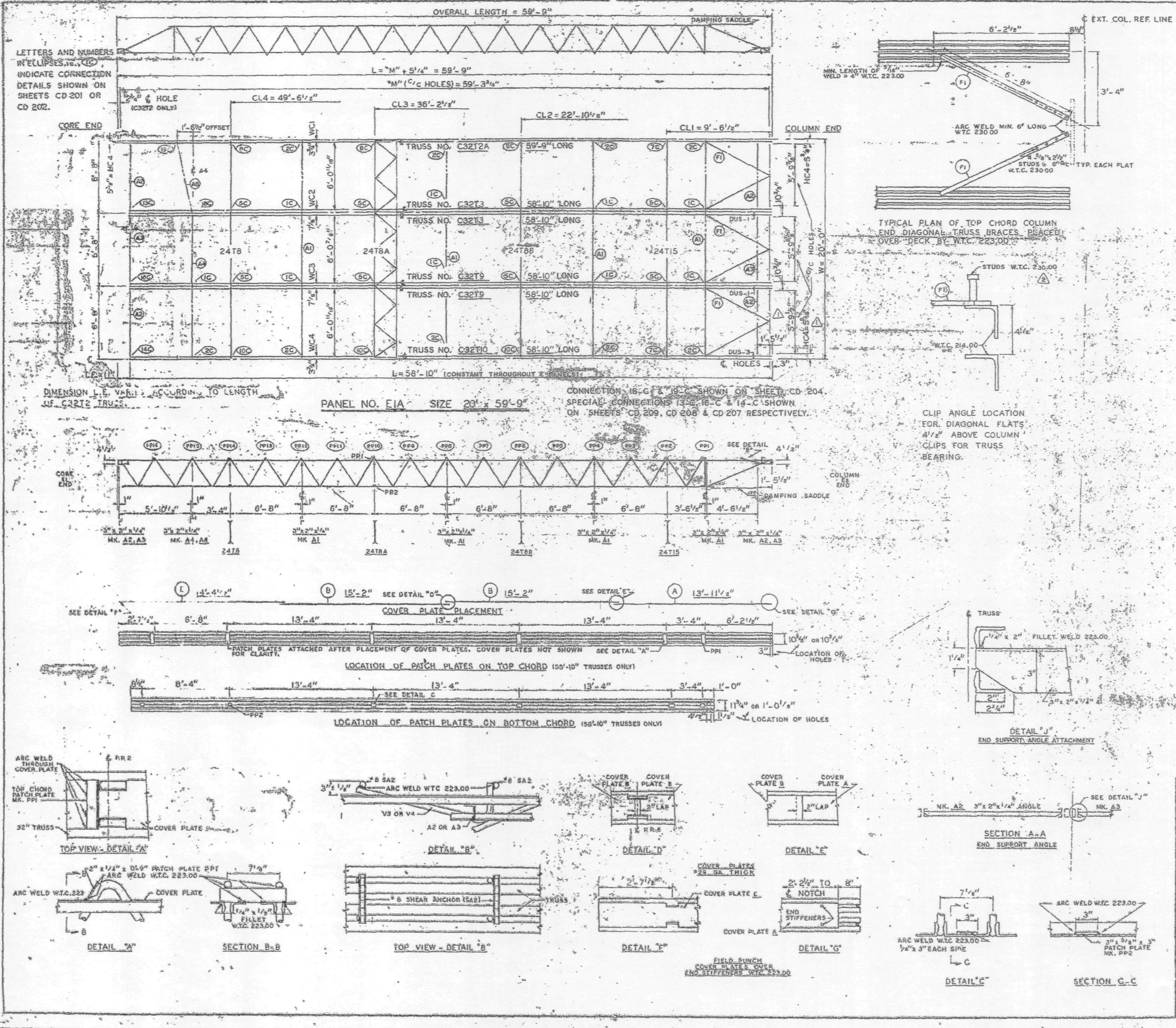
BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL ER2A = 20' x 59'-9"

BLDG. B FLOORS 25 (EAST & WEST) 59 [illegible]

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-32	PLATE
APPROVED FOR FABRICATION BY James White [illegible]	DATE 1/2/70	DRAWN BY [illegible] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP ER2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T2A	1	C32T2A - 59'-9"	ST 202A
	T3	2	C32T3 - 58'-10"	ST 20[illegible]
	T9	2	C32T9 - 58'-10"	ST 20[illegible]
	[illegible]	[illegible]	C32T10 - [illegible]	ST [illegible]
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST [illegible]
	T8A		24T8A - 19'-11"	ST [illegible]
	T8B		24T8B - 19'-11"	ST [illegible]
	T15	[illegible]	24T15 - 19'-11"	ST [illegible]
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	3" x 2" x 1/4" x 6'-[illegible]"	ST 40[illegible]
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" Φ x 1'-3"	ST 400
	CB2	8	1 3/16" Φ x 1'-3"	ST 400
	CB3	6	1 5/8" Φ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3 1/2" x 3/8" x [illegible]	ST 400
	P2	1	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/4" x 0'-3"	ST 400

(1) ALL ARC-WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION
2	5-16-69	AS NOTED
1	9-[illegible]-68	AS NOTED

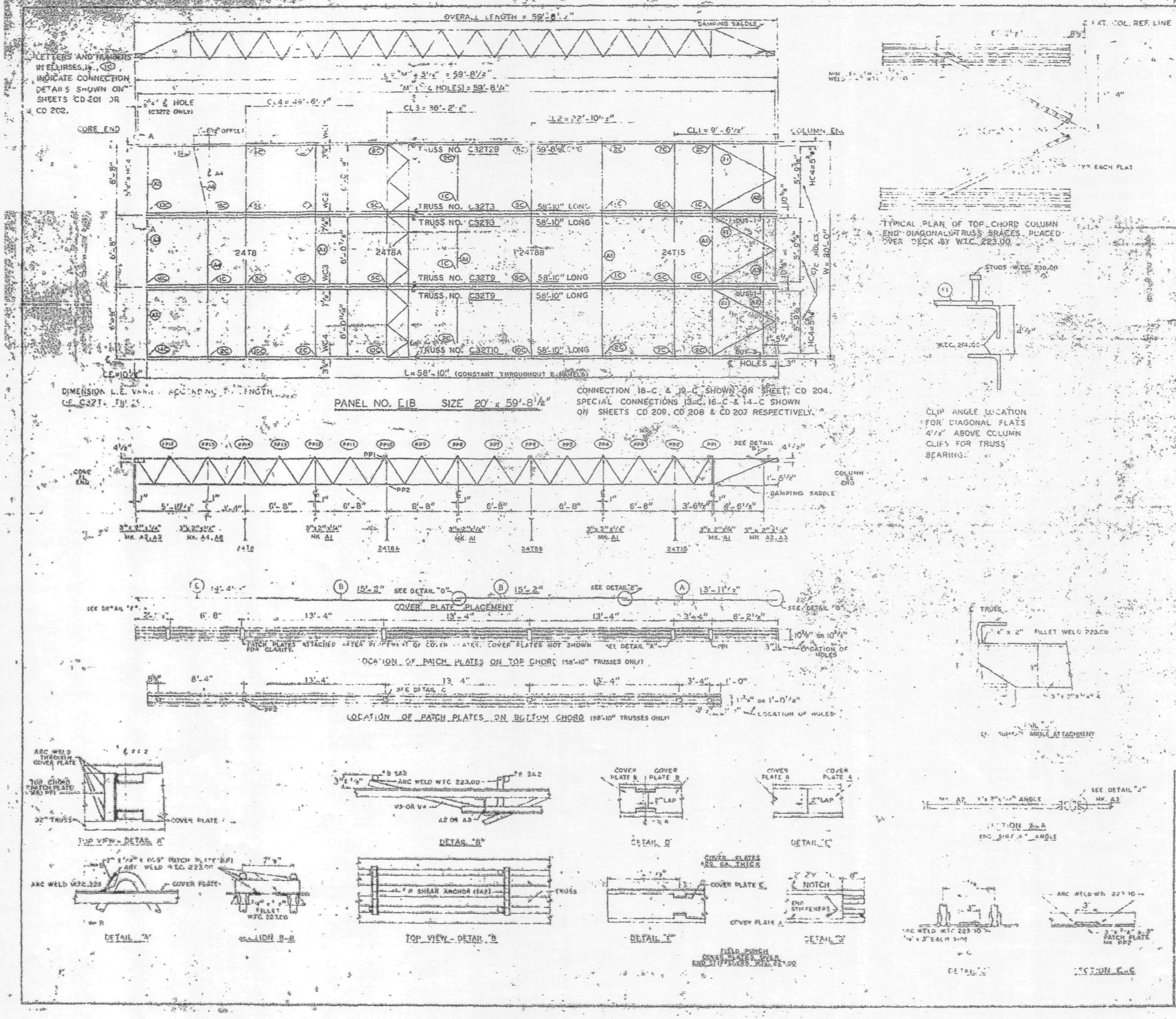
(2) REF. DRWGS.

7-AB3-3 & [illegible] — 7-22-68
7-AB3-11 — [illegible]
7-AB4-3, [illegible] — [illegible]
7-AB4-15, 16 & 34 — 7-22-68
7-AB4-42 & 3 — 9-15-68
SA-124 — 1-6-68
7-AB1-3 — 7-2[illegible]-68
7-AB1-6, 7 & 8 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49, 58, 60-[illegible], 69 (NORTH)
PANEL E1A - 20' x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49 [illegible] (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-11
PLATE
APPROVED FOR FABRICATION BY James W. [illegible] DATE 1/2/70
DRAWN BY [illegible] DATE JULY 22, 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE
CHECKED BY T.M.CHURA DATE JULY 22, 1968
IN CHARGE OF PROD. [illegible]
DETAILED BY CARL WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP E1A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T28	1	C32T28 - 58'-8½"	ST 202B
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x ¼" ANGLE	A	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-[illegible]	ST 403
	A3	2	3" x 2" x ¼" x [illegible]	ST 403
	A4	1	3" x 2" x ¼" x 1'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-[illegible]	ST 405
DIAGONAL FLATS		6	[illegible] x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x [illegible]	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	42	3½" x 3½" x [illegible] x 3'-6[illegible]"	ST 298
	DUS-3	1	3½" x 3½" x [illegible] x 3'-6[illegible]"	ST 298
CONNECTION BAR	CB1	1	1" Φ x 1'-3"	ST 400
	CB2	8	[illegible] Φ x 1'-3"	ST 400
	CB3	6	1⅜" Φ x 1'-9"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x [illegible] x 0'-8"	ST 400
	P3	1	4½" x .38" x 1'-0"	ST 400
	P5	3	4½" x [illegible] x 1'-8"	ST 400
	P6	1	4½" x [illegible] x [illegible] 9"	ST 401
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-[illegible]"	[illegible]
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 400
	PP2	18	3" x [illegible] x 1'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO	DATE	REVISION
1	8-18-69	AS NOTED

REF. DRWGS.

- 7-AB2-3 & 12 — 7-22-68
- 7-AB4-[illegible] — 10-15-68
- 7-AB4-[illegible] — 7-22-68
- 7-AB4-15 & 18339 — 7-22-68
- 7-AB4-42 & 3 — 10-15-68
- 56-124 — 1-8-69
- 7-AB1-3 — 7-22-68
- 7-AB1-6, 7 & 8 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

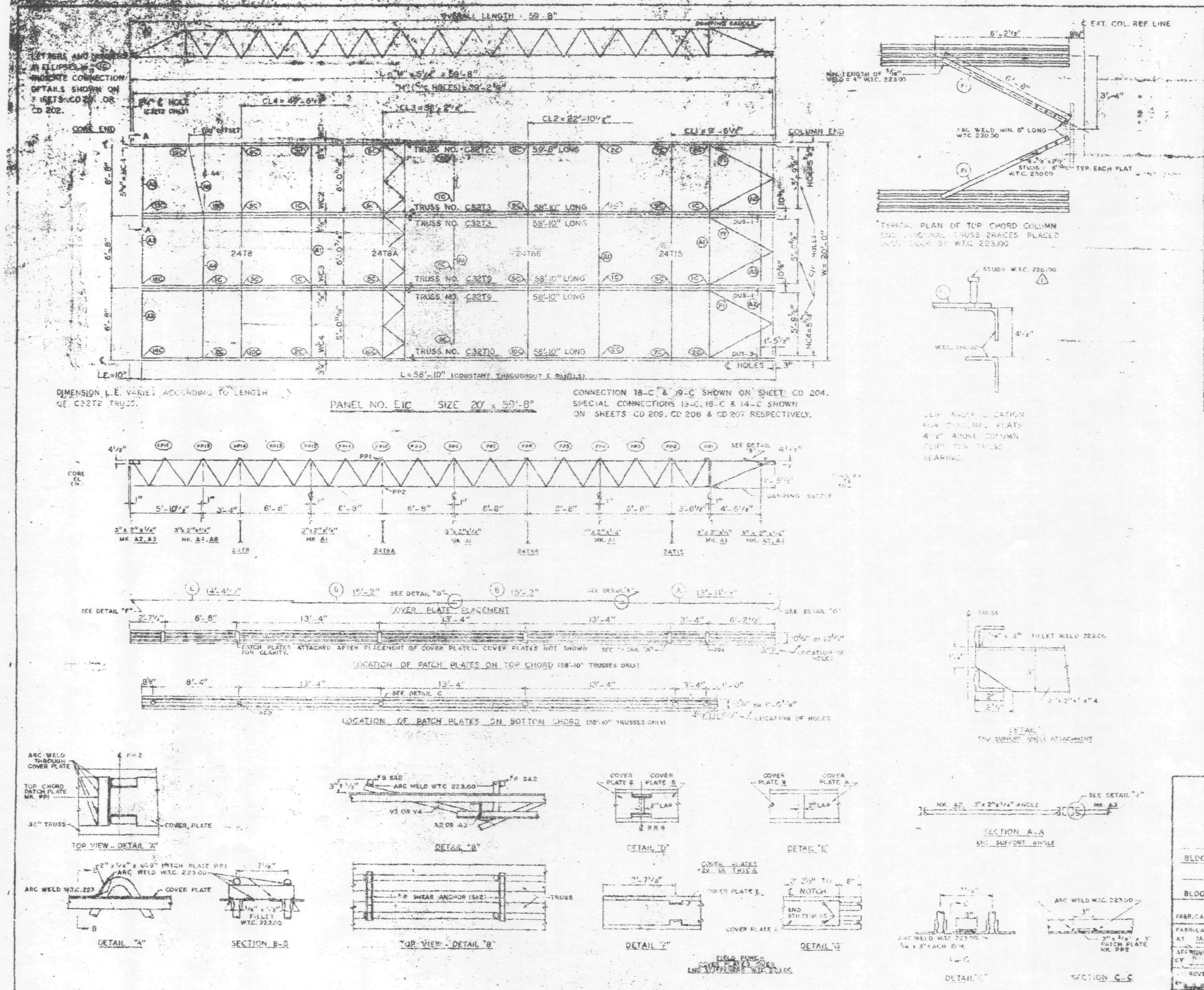
BLDG. A FLOORS 84-91, 93-106 (N)

PANEL E1B

BLDG. B FLOORS 84-91, 93-105 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-1	
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE [illegible]	DRAWN BY [illegible] DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M.CHURA DATE NOV. 4, 1968	
LACLEDE STEEL CO. DETAILED [illegible]		FABRICATION CONT NO. W.T.C. 221	E1B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2C	1	C32T2C - 59'-8"	ST 202C
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x [illegible]	ST 403
	A3	2	3" x 2" x 1/4" x [illegible]	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 2 1/8" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	5	1 3/8" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	[illegible] x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-5"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	5-18-69	AS NOTED	G.D.C.

REF. DRWGS.

7-A82-5 & 10	7-22-68
7-A83-11	10-15-68
7-A84-3,1	[illegible]
7-A84-15 & 16, 39	7-22-68
7-A84-42 & 3	10-[illegible]-68
SS-124	1-[illegible]-69
7-A81-3	7-22-68
7-A81-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

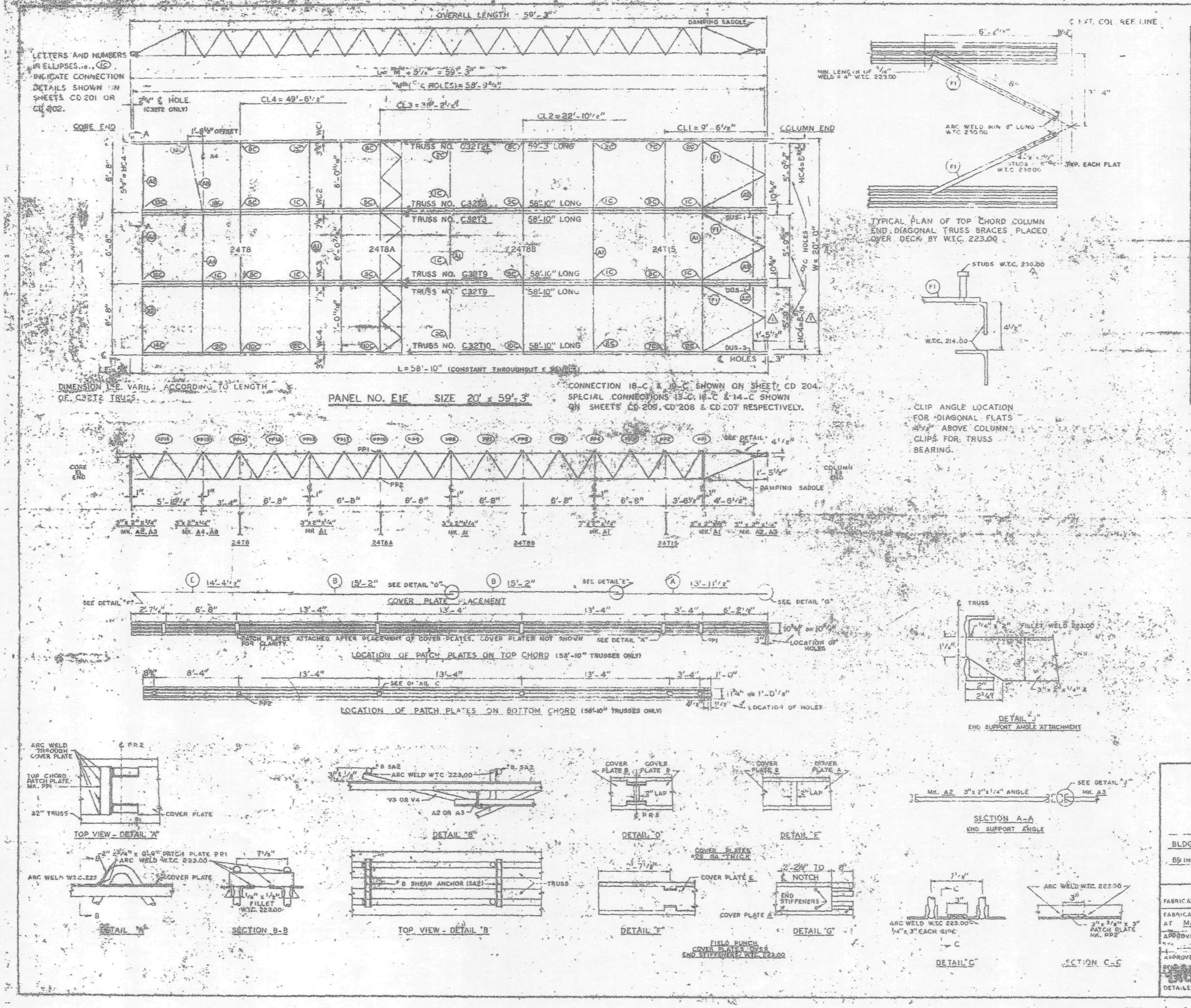
BLDG. A FLOORS 50-58, 60-66, 68-74, 79-91, 93-106 (S)

PANEL EIC - 20' x 59'-8"

BLDG. B FLOORS 50-58, 60-74, 79-91, 93-106 (EAST) [illegible]

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A82-[illegible]	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE [illegible]	DRAWN BY: G.D.C. DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR	DATE	CHECKED BY: E.M.CHURA DATE NOV. 4, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. EIC



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T2E	F	C32T2E - 58'-3"	ST 202E
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST [illegible]8
	T8A	1	24T8A - 19'-1"	ST [illegible]A
	T8B	1	24T8B - 19'-11"	ST [illegible]8B
	T15	1	24T15 - 19'-11"	ST 215
3"x 2"x 1/4" ANGLE	A1	4	[illegible]	ST 403
	A2	4	3"x 2"x 1/4" x 5'-1 9/16"	ST 403
	A3	2	3"x 2"x 1/4" x 5'-1 5/8"	[illegible]
	A4	1	3"x 2"x 1/4" x [illegible]	[illegible]
	A8	1	3"x 2"x 1/4" x 6'-8 3/8"	ST 403
DIAGONAL FLATS	[illegible]	6	1 1/2" x 5/8" x [illegible]-8"	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-4	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	12	1" ϕ x 1'-3"	ST 400
	CB2	5	1 3/4" ϕ x 1'-3"	ST 400
	CB3	6	1 7/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x [illegible]	ST 400
	P2	1	4 1/2" x .39" x 0'-6"	ST 400
	P3	1	4 1/2" x .39" x [illegible]	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-4"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES & [illegible].

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" [illegible] THROAT FILLET.

A = 1/4"
B = 1/2"

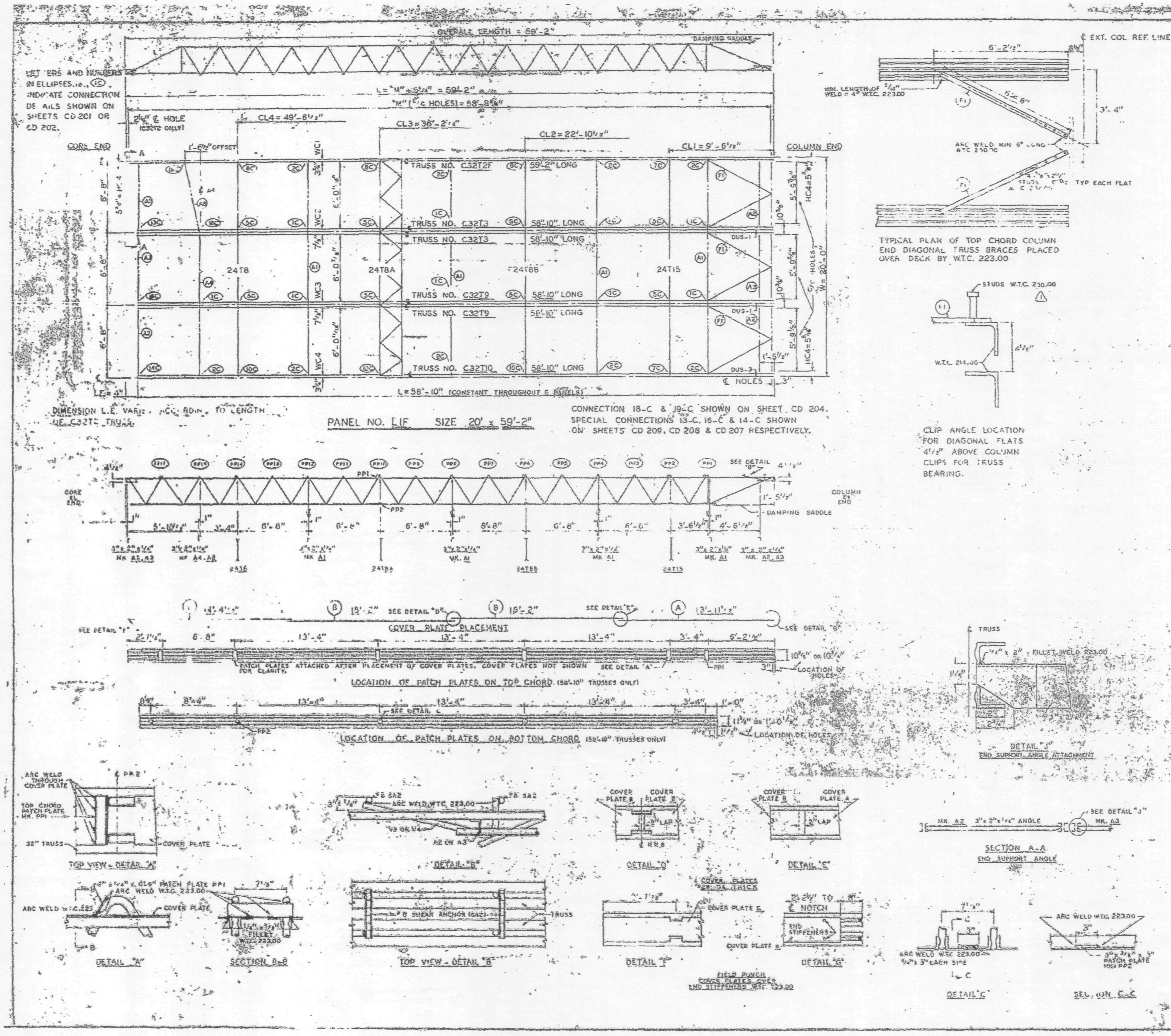
NO.	DATE	REVISION	
2	6-18-69	AS NOTED	G.D.C.
1	9-10-68	AS NOTED	T.M.C.
NO.	DATE	REVISION	PK.

(2) REF. DRWGS.
7-AB?-3 & 10 — 7-22-68
7-AB3-11 — 10-15-69
7-AB4-3.1 — 1-3-68
7-AB4-19,16 & 39 — [illegible]
7-AB4-42 & 3 — 10-15-68
SA-12A — 1-5-69
7-AB1-3 — 7-22-68
7-AB1-6,7 & 8 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH & SOUTH)
69 (NORTH) PANEL E1E 9 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-11
PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE [illegible]
DRAWN BY: gdc
DATE JULY 22, 1968
APPROVED FOR FABRICATION DATE
[redacted]
CHECKED BY: T.M. CHURA
DATE [illegible] 22, 1968
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP E1E
DETAILED BY A. CARL WEBER



REQUIRED MATERIAL PER PANEL				REF. DWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2F	1	C32T2F - 59'-2"	ST 202F
	T3	2	C32T3 - 58'-10"	ST 2[illegible]
	T9	2	C32T9 - 58'-[illegible]	ST [illegible]9
	T10	1	C32T10 - 58'-10"	ST [illegible]
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT [illegible]8
	T8A	1	24T8A - 19'-11"	BT [illegible]8A
	T8B	1	24T8B - 19'-11"	BT [illegible]8B
	T15	1	24T15 - 19'-11"	BT [illegible]
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 10'-1[illegible]"	ST 403
	A2	4	3" x 2" x ¼" x 5'-[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	[illegible]	1	[illegible]	ST 40[illegible]
	A8	[illegible]	3" x 2" x ¼" x 6'-[illegible]"	ST 405
DIAGONAL FLATS	[illegible]	6	[illegible] x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-1[illegible]"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4[illegible]"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x [illegible] x 3'-6[illegible]"	ST 298
	DUS-3	1	3½" x 3½" x [illegible] x 3'-6[illegible]"	ST 298
CONNECTION BAR	CB1	1	[illegible] ϕ x 1'-3"	ST 400
	CB2	8	[illegible] ϕ x 1'-3"	ST 400
	CB3	6	[illegible] ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x [illegible]	ST 400
	P2	1	4½" x [illegible]	ST 400
	P3	1	4½" x [illegible]	ST 400
	P5	3	4½" x [illegible] x 1'-8"	ST 400
	PC	1	4½" x [illegible] x 0'-8"	ST 401
#8 SHEAR CONNECTOR	SA2	6	#8 REBAR x 0'-[illegible]"	[illegible]
PATCH PLATES	PP1	18	2" x [illegible] x 0'-8"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO	DATE	REVISION	
1	6-18-69	AS NOTED	GDC

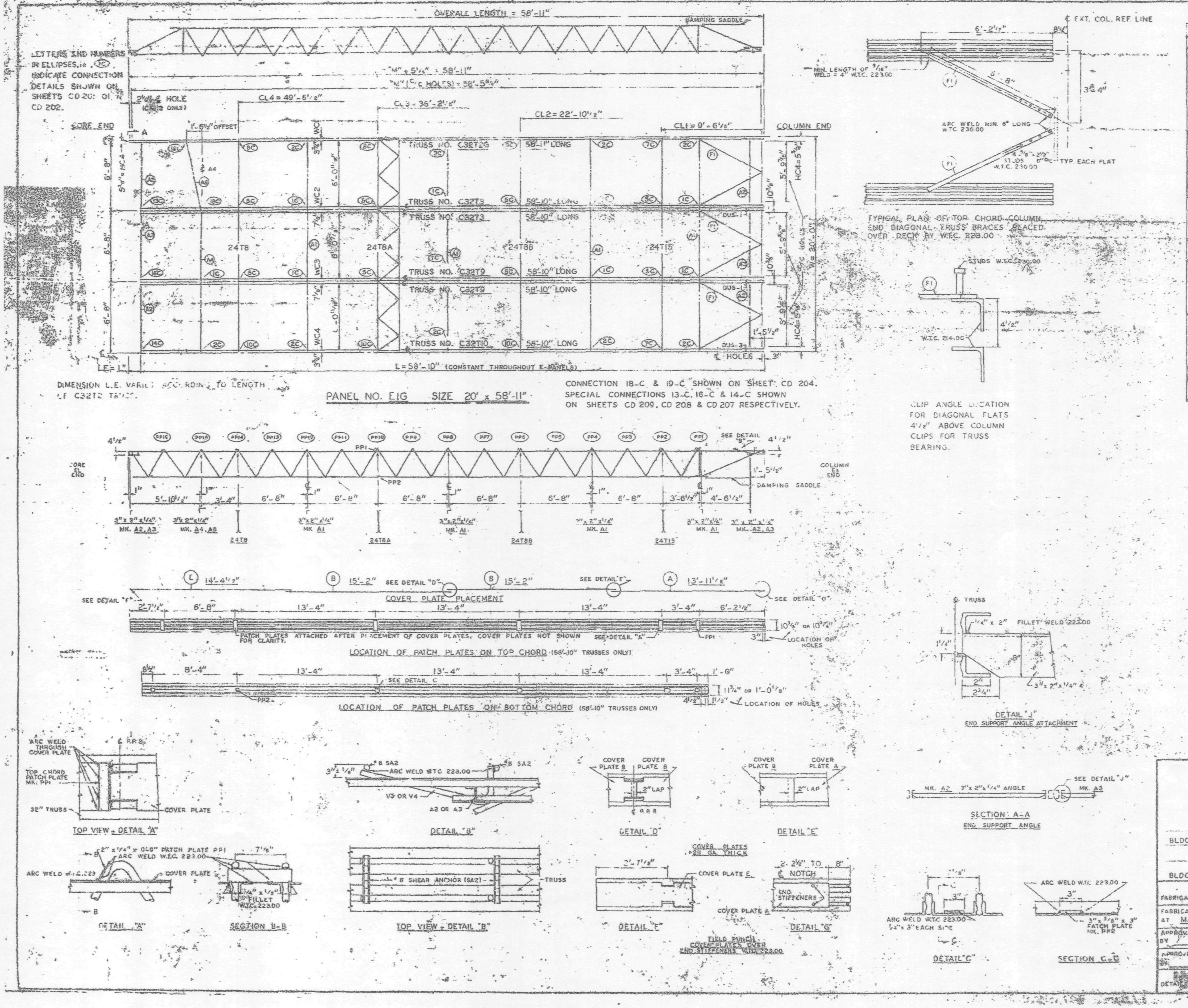
REF. DRWGS.

- 7-AB2-34 11 — 7-22-68
- 7-AB3-11 — 10-15-68
- 7-AB4-31 — 1-3-69
- 7-AB4-15 & 18-30 — 7-22-68
- 7-AB4-42 & 2 — 10-15-68
- SA-124 — 1-6-69
- 7-AB1-3 — 7-22-68
- 7-AB1-6, 7 & 8 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47-48, 70-71 (N)
PANEL E1F
BLDG. B FLOORS 47-48, 70-71 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-41
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE
DRAWN BY [illegible] DATE NOV. 1, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. EMURA DATE DEC. 4, 1968
IN CHARGE PROD. DEV.
DETAILED BY A. CARLSTROM
FABRICATION CONT. NO. WTC 221
SHEET NO. FP E1F



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2G	1	C32T2G - 58'-11"	ST 202G
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 206
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3"x 2"x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11"	ST 403
	A4	1	3" x 2" x 1/4" x 19'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-6 3/4"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	8" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 1/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO	DATE	REVISION
1	6-18-69	AS NOTED

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-11	10-15-68
7-AB4-3	1-3-68
7-AB4-15 & 16, 39	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-6-69
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

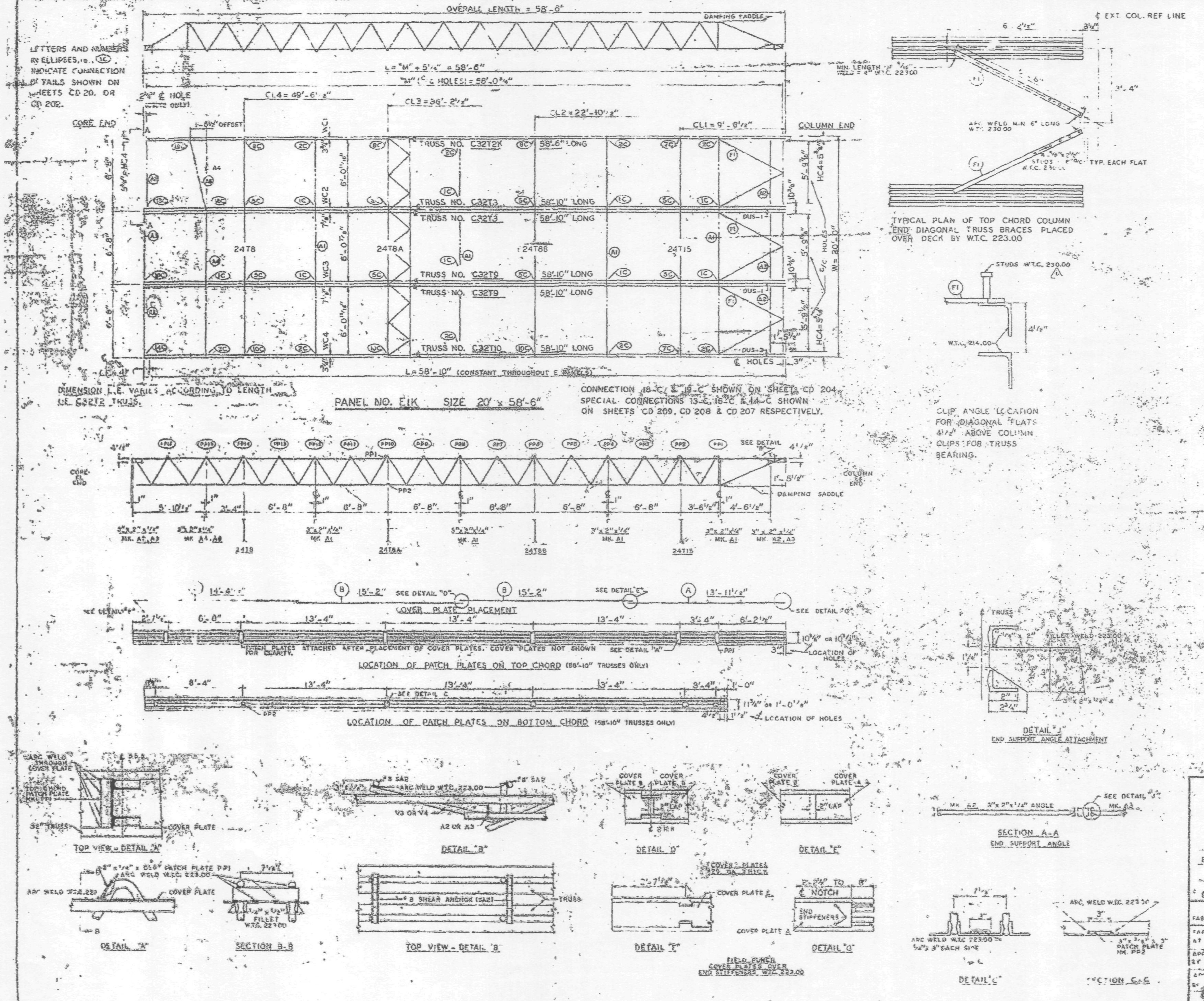
BLDG. A FLOORS 39-40 (N&S)

PANEL E1G - 20' x 58'-11"

BLDG. B FLOORS 39-40 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-11	PLATE
APPROVED FOR FABRICATION BY ... FOR P.O.N.Y.A	DATE	DRAWN BY ... DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY ... FOR FABRICATOR	DATE.	CHECKED BY T.M. CHUBA DATE NOV. 4, 1968	IN CHARGE OF PROD. ...
DETAIL ...		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E1G



REQUIRED MATERIAL FOR PANEL				REF. DWG.
MATERIAL	MK	PC	SIZE	
FLOOR TRUSSES	T2K	1	C32T2K - 58'-5"	ST 202K
	T3	[illegible]	C32T3 - 58'-10"	[illegible]
	T9	2	C32T9 - 58'-10"	[illegible]
	T10	[illegible]	C32T10 - 58' [illegible]	[illegible]
BRIDGING TRUSSES	T8	[illegible]	24T8 - 19' [illegible]	[illegible]
	T8A	[illegible]	24T8A - [illegible]	[illegible]
	T8B	[illegible]	24T8B - 19' [illegible]	[illegible]
	T15	1	24T15 - 19' [illegible]	[illegible]
3"x 2"x¼" ANGLE	A1	4	3" x 2" x ¼" x [illegible]	[illegible]
	A2	4	3" x 2" x ¼" x 5'-1[illegible]	ST 403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]	[illegible]
	A4	[illegible]	[illegible]	[illegible]
	A8	1	[illegible]	[illegible]
DIAGONAL FLATS	F1	6	[illegible] x 6'-9"	[illegible]
COVER PLATES	A	3	8" x 0135" x 13'-[illegible]	ST 303
	B	6	8" x 0135" x 15'-2"	ST 303
	E	3	8" x 0135" x 14'-[illegible]	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x [illegible]	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 288
	DUS-3	1	[illegible]	ST 288
CONNECTION BAR	CB1	1	[illegible] x 1'-3"	ST 400
	CB2	[illegible]	[illegible] x 1'-3"	ST 400
	CB3	8	[illegible]	[illegible]
CONNECTION PLATES	P1	3	[illegible]	ST 400
	P2	[illegible]	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	[illegible] x 1'-6"	ST 400
	PC	1	[illegible] x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	[illegible]
PATCH PLATES	PP1	16	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ¼" x 0'-9"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

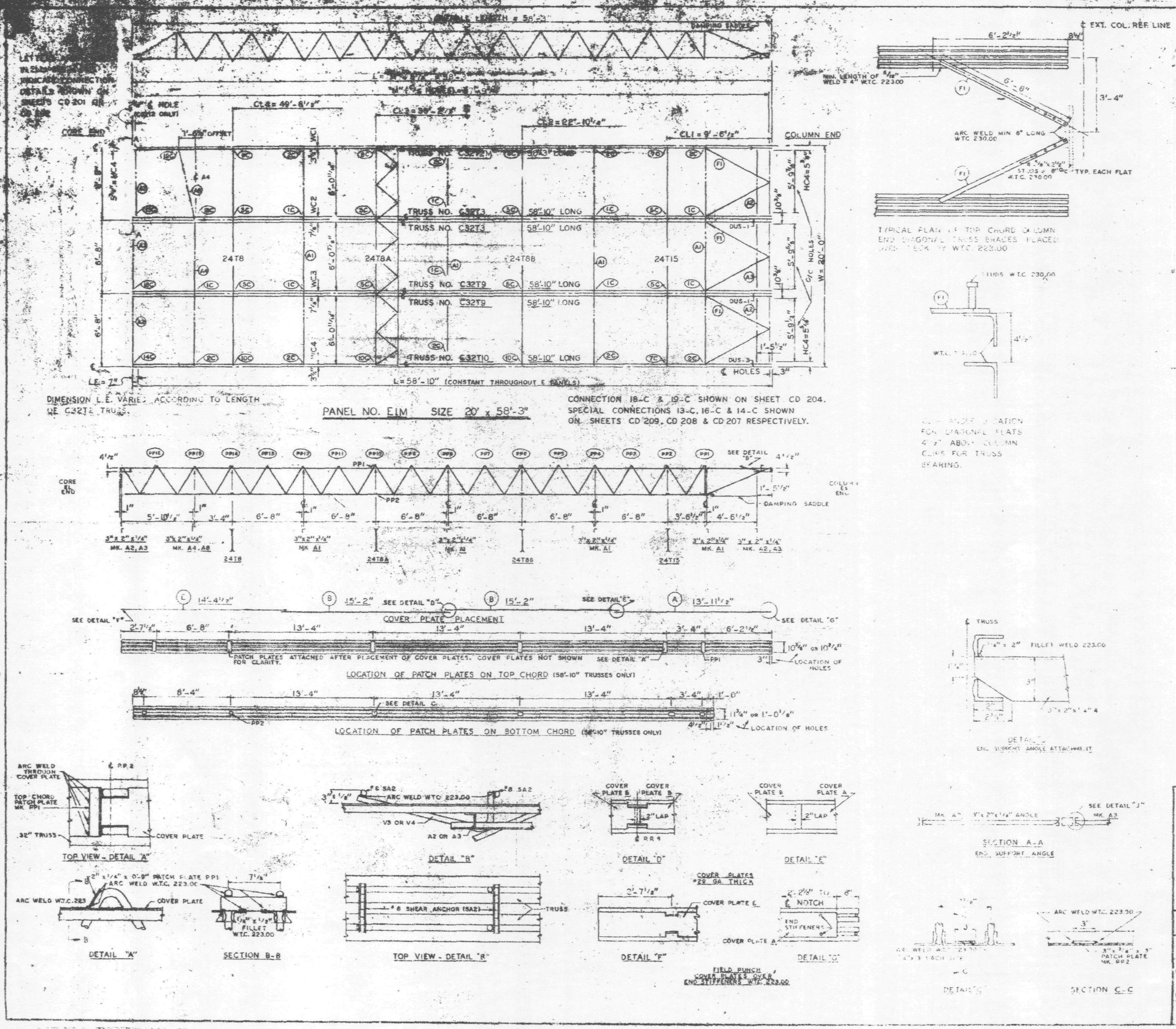
NO.	DATE	
1	6-18-69	AS NOTED

REF. DRWGS. 7-AB3-31 ... 1-22-69; 7-AB3-11 ... 1-22-69; 7-AB4-42 & 2 ... 10-3-69; 7-AB1-3 ... 1-22-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46 (N)
PANEL E1K - 20' x 58'-6"
BLDG B FLOORS 45 (WEST)

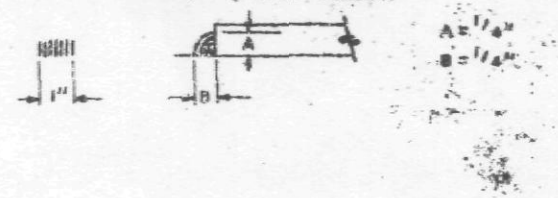
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-11
APPROVED FOR FABRICATION BY ____ FOR ROUNTREE — DATE
DRAWN BY ____ DATE NOV. 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR — DATE
CHECKED BY M. CHURA DATE NOV. 4, 1968
DETAILED BY
FABRICATION CONT. NO. 221
SHEET NO. FP E1K



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2M	1	C32T2M - 56'-3"	ST 202M
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 16'-11"	ST 403
	A2	4	[illegible]	ST 40[illegible]
	A3	2	[illegible]	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 40[illegible]
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	[illegible] x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
CONNECTION BAR	CB1	1	1" Φ x 1'-3"	ST 400
	CB2	6	[illegible] Φ x 1'-3"	ST 400
	CB3	8	1 5/8" Φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	6-18-69	AS NOTED	G.D.C.

REF. DRWGS. (1)

7-AB2-3 & 10	7-22-68
7-AB3-11	10-15-68
7-AB4-3.1	[illegible]
7-AB4-15 & 16, 30	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-8-69
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)

PANEL [illegible] 58'-3"

BLDG. B FLOORS 72-73 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-11

APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE 1/2/70

DRAWN BY G.D.C. DATE NOV. 1, 1968

APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE

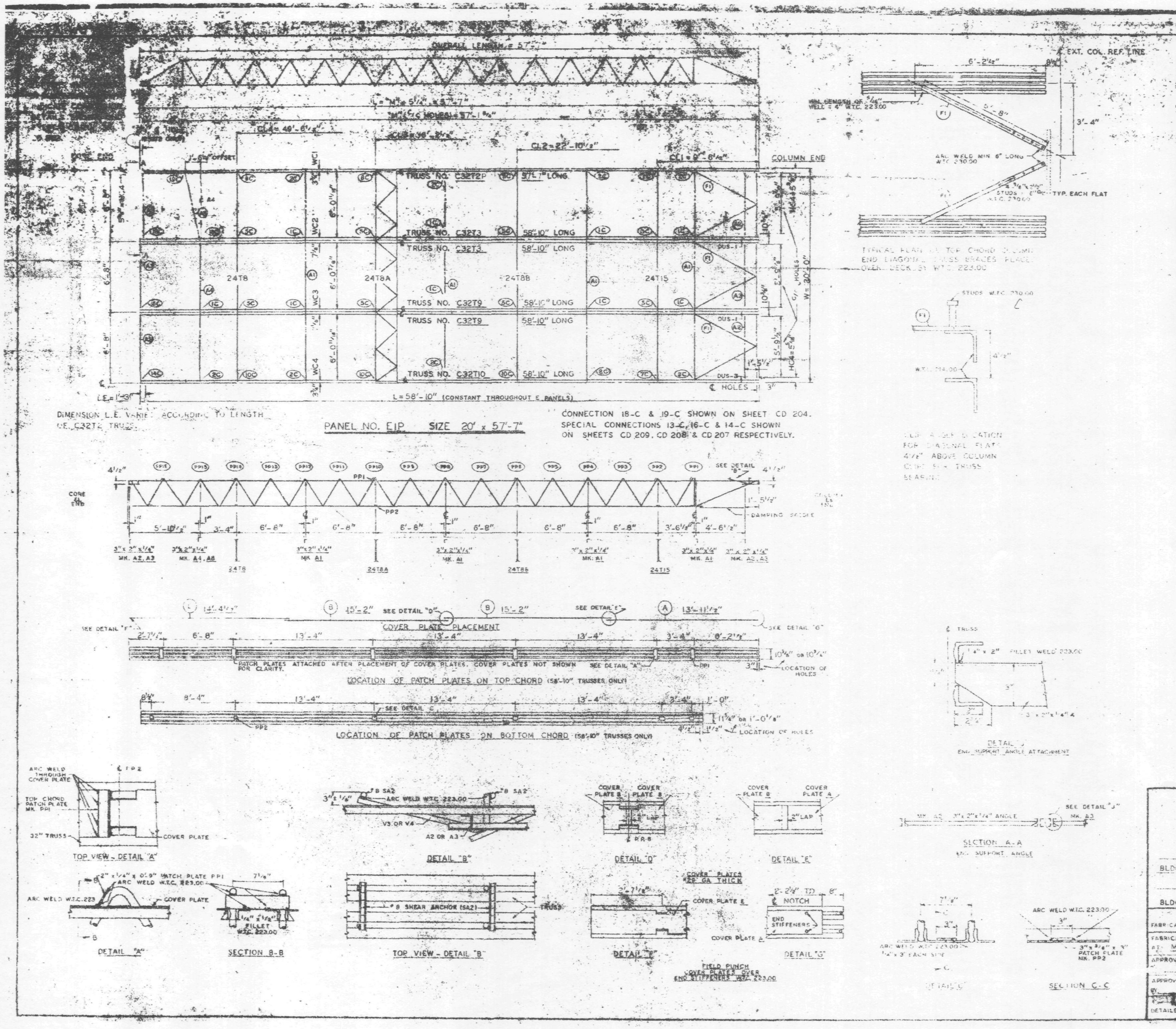
CHECKED BY T.M. CHURA DATE NOV. 4, 1968

LACLEDE STEEL CO.

DETAILED BY

FABRICATION CONT. NO. W.T.C. 221

E1M



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2P	1	[illegible]	ST [illegible]
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 208
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 18'-11"	ST 208
	T8A	1	24T8A - 18'-11"	ST 208A
	T8B	1	24T8B - 18'-11"	ST 208B
	T15	1	24T15 - 18'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 18'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	F1	6	[illegible]	ST [illegible]
COVER PLATES	A	3	9" x .0138" x [illegible]	ST [illegible]
	B	5	9" x .0138" x 15'-2"	ST [illegible]
	E	3	9" x .0138" x 14'-4½"	ST [illegible]
ANGLE CLIPS	C1	20	[illegible]	ST 400
	C2	4	2½" x 1½" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
CONNECTION BAR	CB1	1	[illegible]	ST 400
	CB2	6	[illegible]	ST 400
	CB3	6	1⅝" ø x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x 3/8" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	[illegible]	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION
1	8-18-69	AS NOTED

REF. DRWGS.

7-A82-3 & 10	[illegible]
7-A83-11	10-13-69
7-A84-15 & 16, 30	[illegible]
7-A84-42 & 3	[illegible]
SA-124	1-6-69
7-A81-3	[illegible]
7-A81-6, 7 & 8	[illegible]

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 74 (N)

BLDG. B FLOORS 74 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION FOR P.N.Y.A. DATE

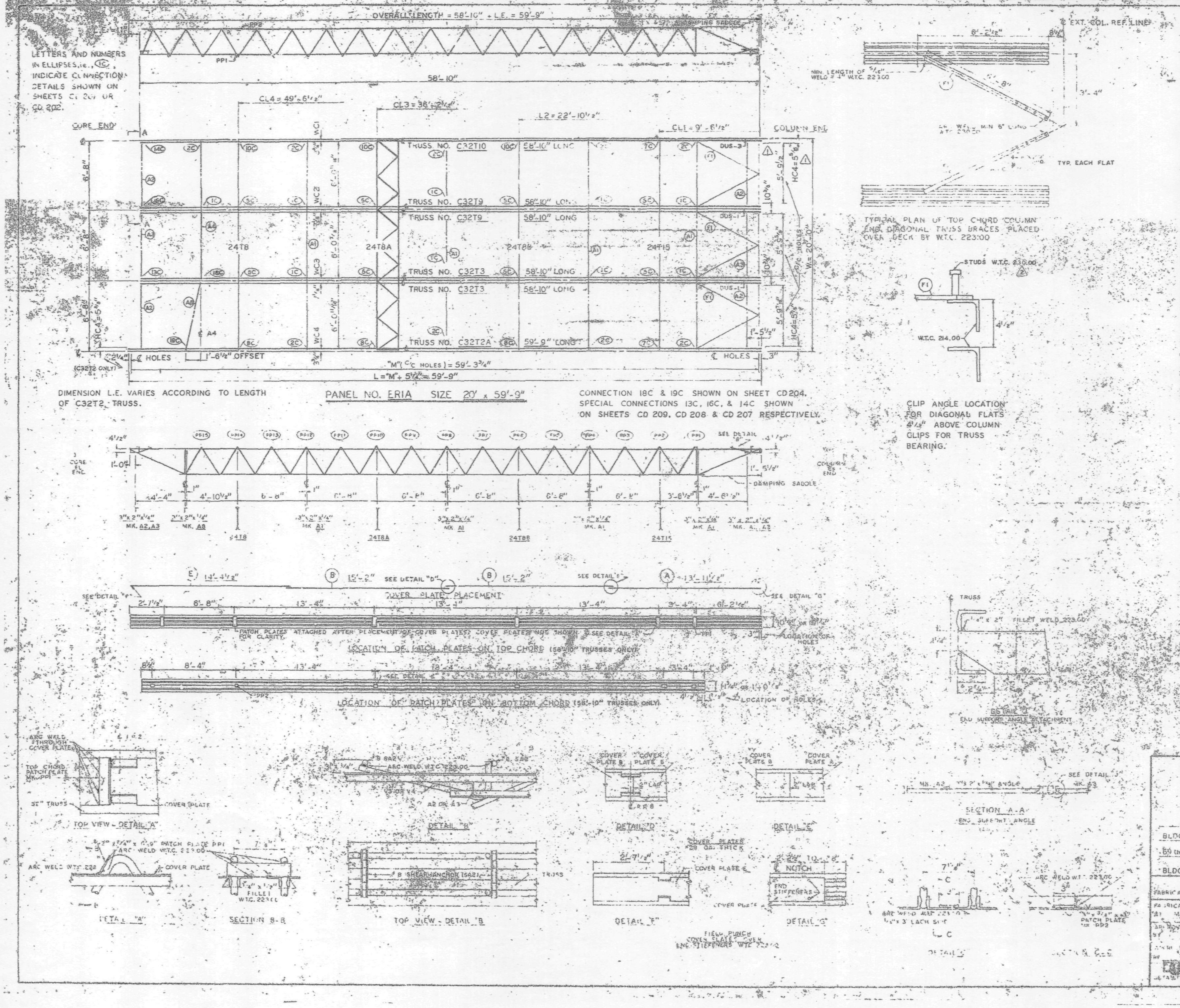
DRAWN BY [illegible] DATE NOV. [illegible]

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

CHECKED BY [illegible] DATE NOV. 4, [illegible]

DETAILED BY A. CARL WEBER

FABRICATION CONT. NO. W.T.C. 22P



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2A	1	C32T2A - 59'-9"	ST 202A
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-1"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅜"	ST 403
	A4	1	3" x 2" x ¼" x 13'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-9⅜"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 8'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	2	9" x .0135" x 15'-2"	ST [illegible]
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2½" x 2½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 2½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ⌀ x 1'-3"	ST 400
	CB2	6	1⅛" ⌀ x 1'-3"	ST 400
	CB3	6	⅝" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P8	1	4½" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC. WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

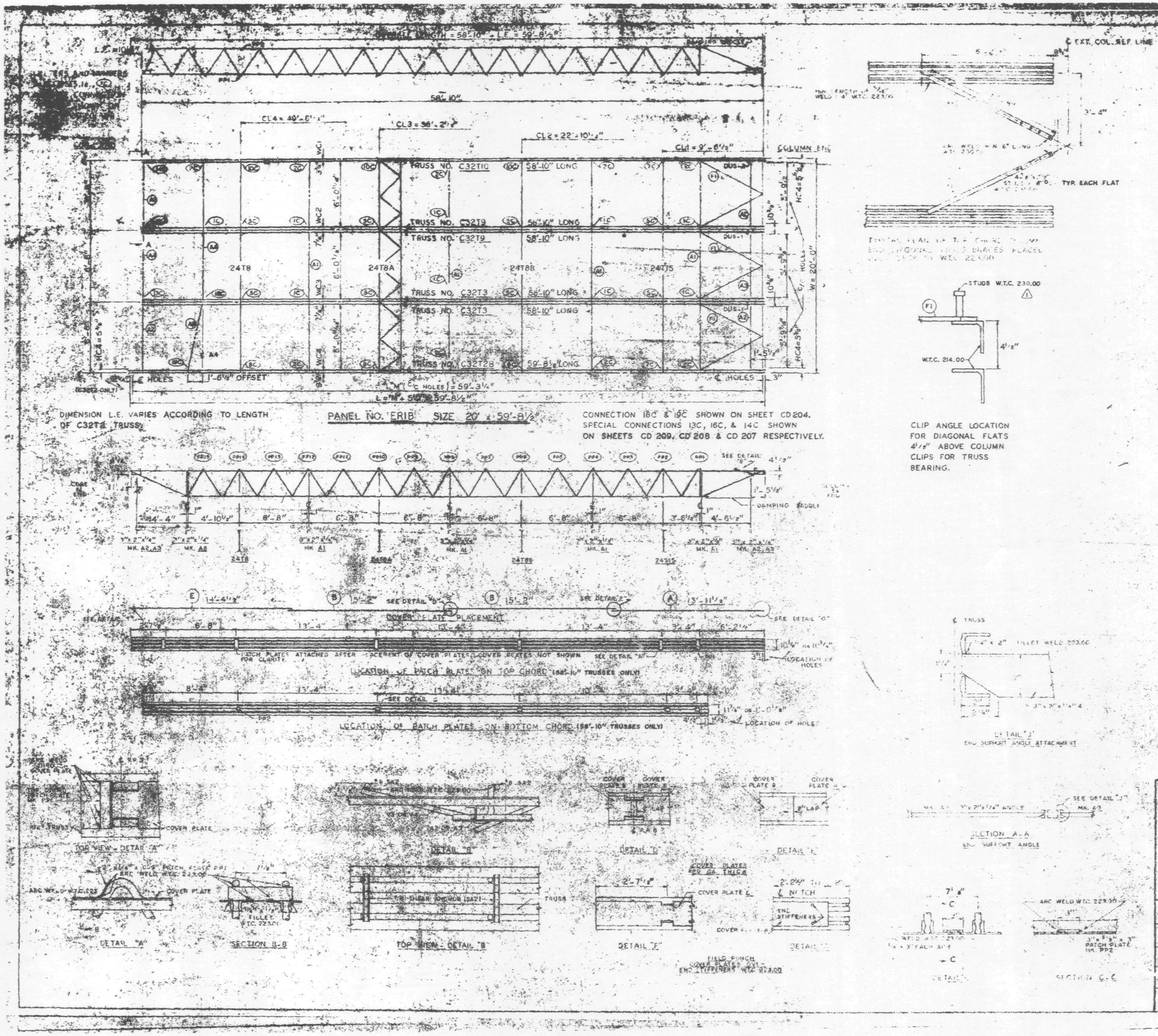
NO.	DATE	REVISION
2	6-18-69	AS NOTED
1	9-18-68	AS NOTED

REF. DRWGS.
7-AB42-5, 16 & 38 — 7-22-68
7-AB4-42 & 3 — 10-15-68
5A-124 — 1-6-69
7-AB1-3 — 7-22-68
7-AB1-6, 7 & 8 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH) — PANEL ERIA
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-5...

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB512-E
DRAWN BY: G.A.C. DATE: JULY 22, 1968
CHECKED BY: T.M.CHURA DATE: JULY 22, 1968
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP ERIA



REQUIRED MATERIAL PER PANELS				REF. DRWG.
MATERIAL	MK.	REQ.	SIZE	
FLOOR TRUSSES	T2B	1	C32T2B - 59'-8½"	ST 202B
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅞"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅞"	ST 403
	A4	1	3" x 2" x ¼" x 48'-3"	ST 403
	A8	1	3" x 2" x ¼" x [illegible]	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅜" x 8'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	[illegible] x 0'-8"	ST 400
	C2	4	[illegible] x 6"	ST 401
DAMPING SADDLE	DUS-4	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
CONNECTION BAR	CB1	1	[illegible]	ST 400
	CB2	6	[illegible]	ST 400
	CB3	6	[illegible]	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	[illegible]	4½" x .39" x 0'-8"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 0'-6"	ST 400
	P8	1	4½" x .39" x 0'-6"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 3" FULL THROAT FILLET.

NO.	DATE	REVISION
1	6-19-69	AS NOTED

REF. DRWGS.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 84-91, 93-106 (N)

PANEL ERIB

BLDG. B FLOORS 84-91, 93-106 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION — DATE

DRAWN BY — DATE NOV. 4

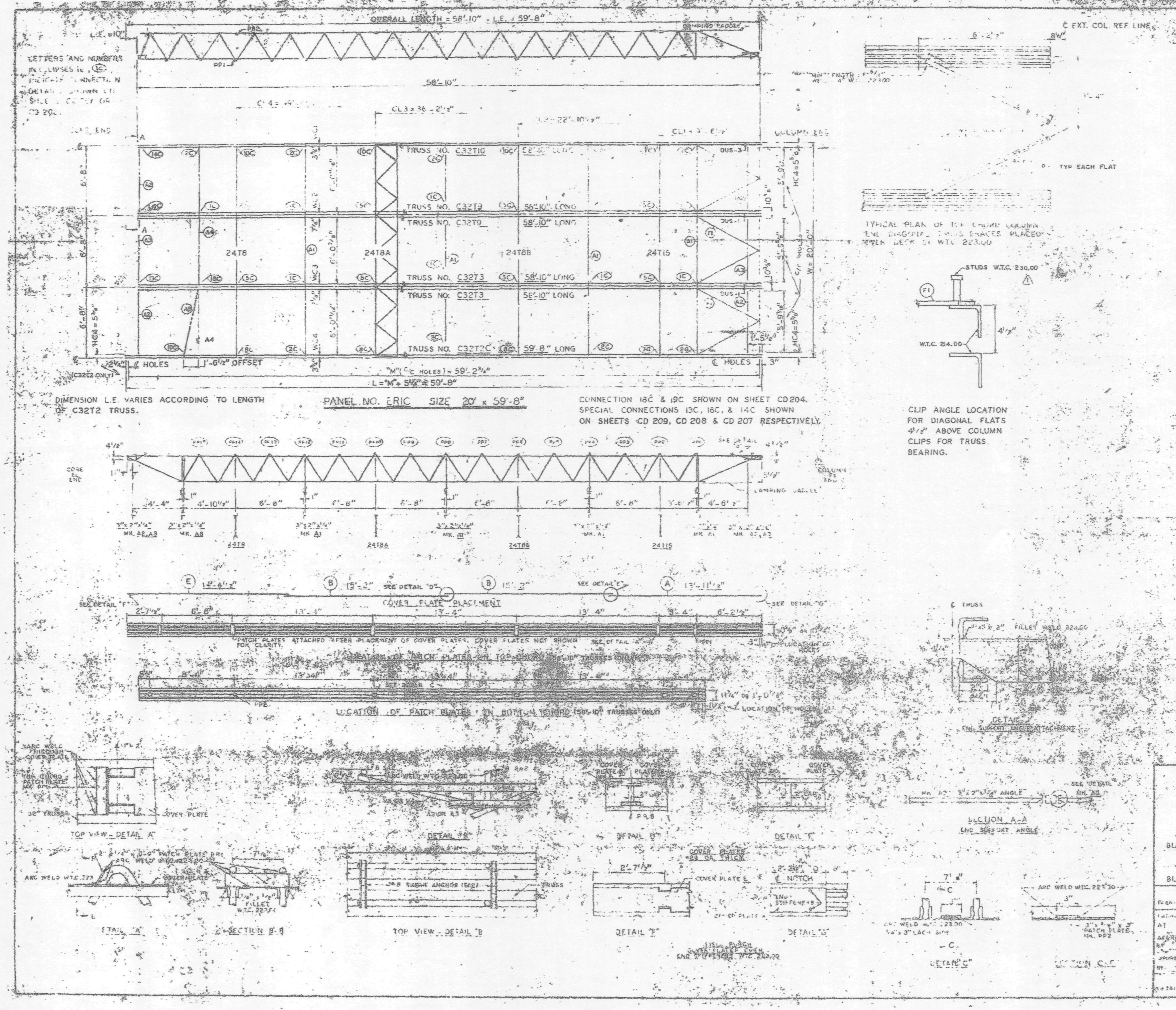
CHECKED BY — DATE NOV. 5

LACLEDE STEEL CO.

DETAILED BY

FABRICATION CONTRACT W.T.C. 221

ERIB



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	12C	1	C32T2C - 59'-8"	[illegible]
	13	2	C32T3 - 58'-10"	ST 203
	19	2	C32T9 - 58'-10"	[illegible]
	11C	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 [illegible]	ST 208
	T8A	1	24T8A [illegible]	ST 208A
	T8B	1	24T8B [illegible]	ST 208B
	T15	1	24T15 [illegible]	ST 215
3" x 2" x ¼" ANGLE	[illegible]	4	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A3	2	[illegible]	[illegible]
	A4	1	[illegible]	ST 403
	A8	1	[illegible]	[illegible]
DIAGONAL FLATS	F1	1	[illegible]	ST 402
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	6" x .0135" x 15'-2"	[illegible]
	E	3	6" x .0135" x 14'-4½"	[illegible]
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 356
	DUS-3	1	[illegible]	[illegible]
CONNECTION BAR	CB1	1	[illegible] - 3"	ST 400
	CB2	8	[illegible] x 1'-3"	ST 400
	CB3	8	1⅝" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⁹⁄₁₆" x 8½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	[illegible]	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401
⅜ SHEAR ANCHOR	SA2	6	[illegible]	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-8"	ST 400
	PP2	18	3" x ⅜" x 0'-7"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

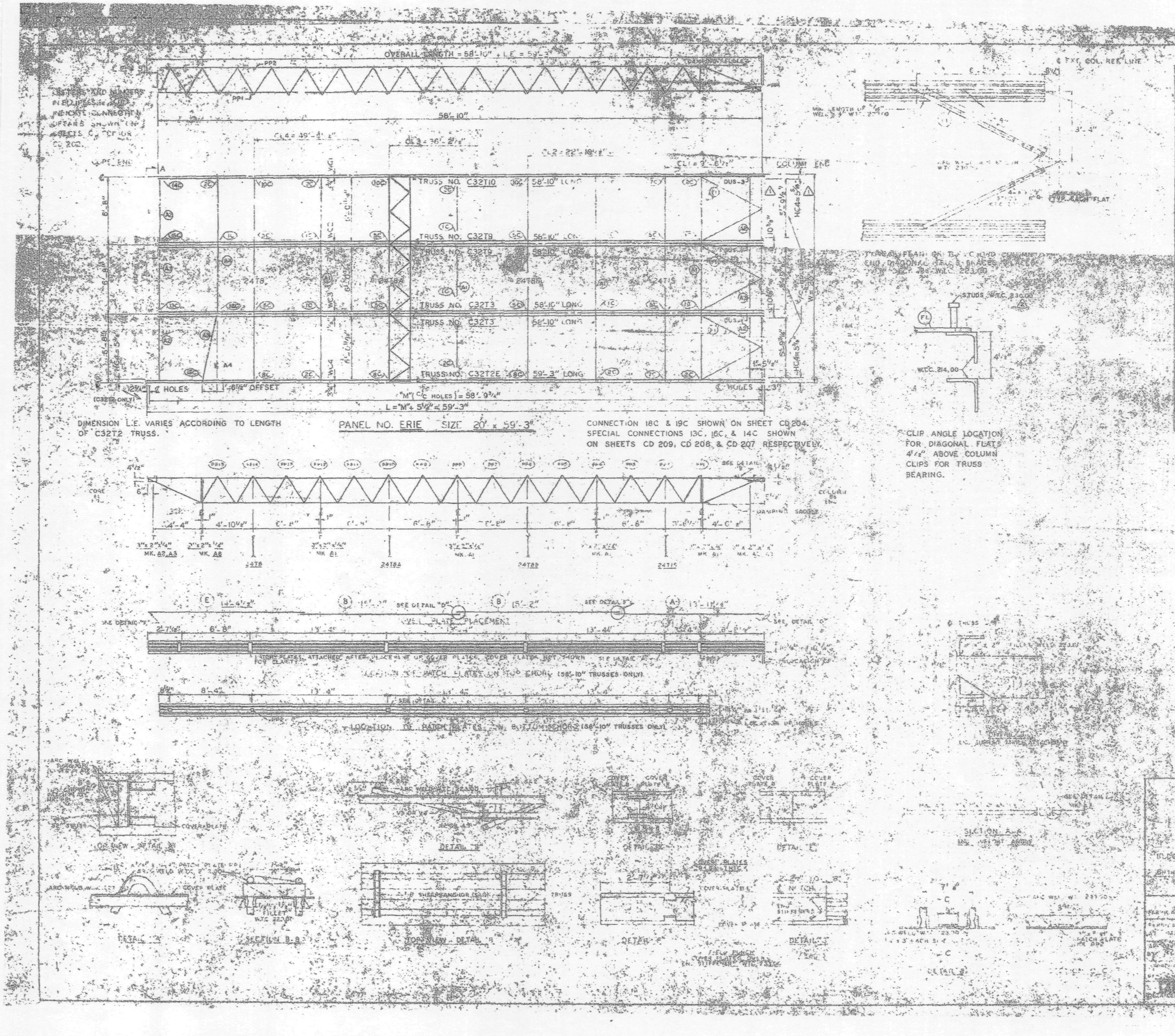
NO.	DATE	REVISION
1	6-19-69	AS NOTED

SEE DRAWGS.
7-AB4-15, 16 & 39 — 7-22-68
7-AB4-42 & 3 — 10-[illegible]-68
9A-24 — 1-6-69
7-AB1-3 — 7-22-68
7-AB1-6, 7 & 8 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 50-58, 60-66, 68-74, 80-91, 93-106 (S)
PANEL ERIC
BLDG. B FLOORS 50-58, 60-74, 80-91, 93-106

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-12
APPROVED FOR FABRICATION BY
DRAWN BY
DATE NOV 4 1968
CHECKED BY
DATE NOV 5 1968
LACLEDE STEEL CO.
DETAILED BY A. CARL WEBER
FABRICATOR CONTRACT NO. 321
PN ERIC



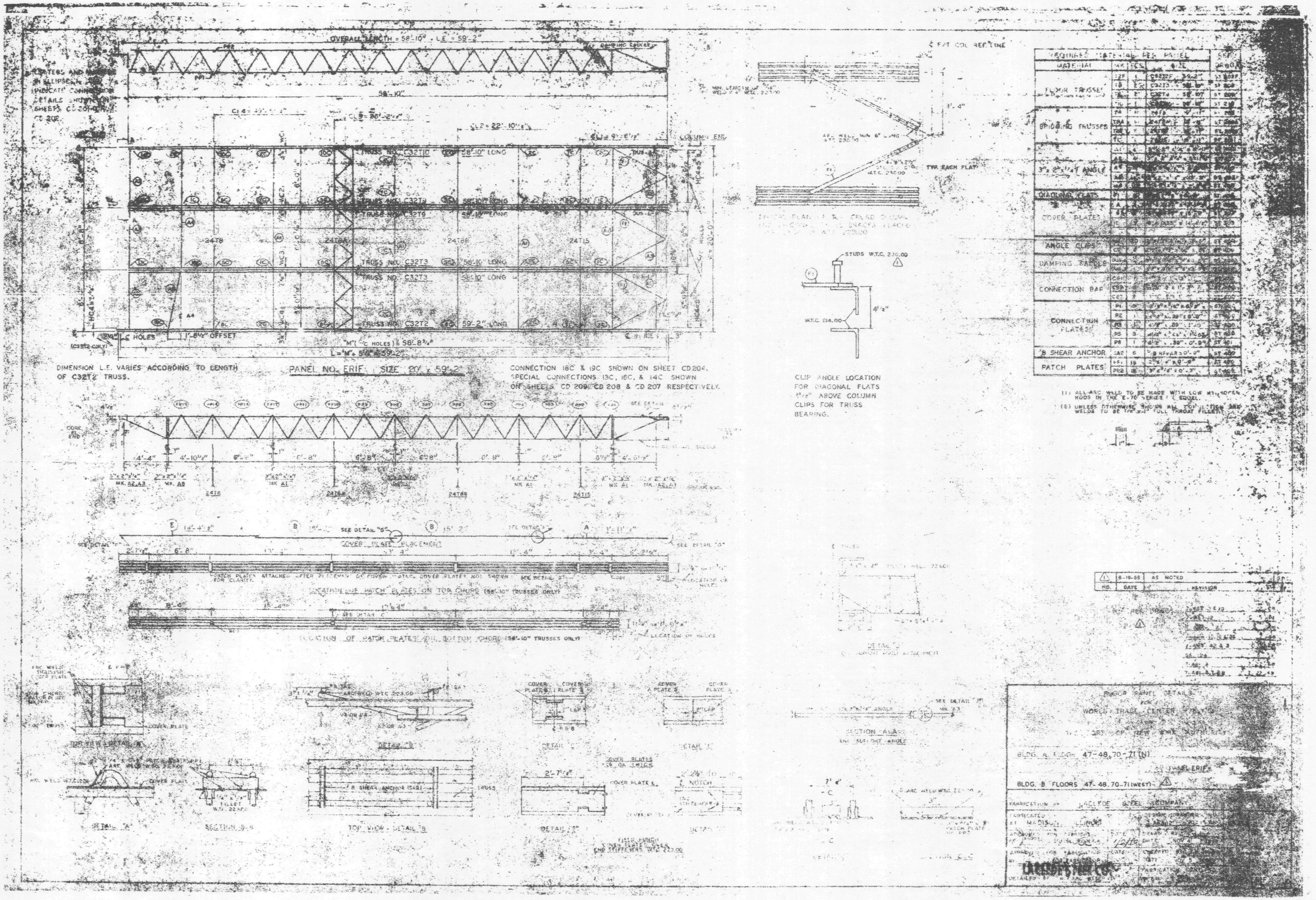
MATERIAL	MARK	NO.	SIZE	DWG.
FLOOR TRUSSES	2E	1	C32T2E - 59'-3"	ST 202E
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-1 1/2"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1 1/2"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-3 1/2"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-6 5/8"	ST 405
DIAGONAL FLATS	F1	2	1 1/2" x 5/8" x 8'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-1 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	[illegible]	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	[illegible]	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" [illegible]	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 298
	DUS-3	3	[illegible]	ST 298
CONNECTION BAR	CB1	1	[illegible]	ST 406
	CB2	6	[illegible]	ST 406
	CB7	6	[illegible]	ST 406
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	4	[illegible]	ST 400
	P3	10	[illegible]	ST 400
	P5	3	[illegible]	ST 400
	P6	1	[illegible]	ST 401
SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-6"	ST 400
PATCH PLATES	PP1	18	3" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-9"	ST 400

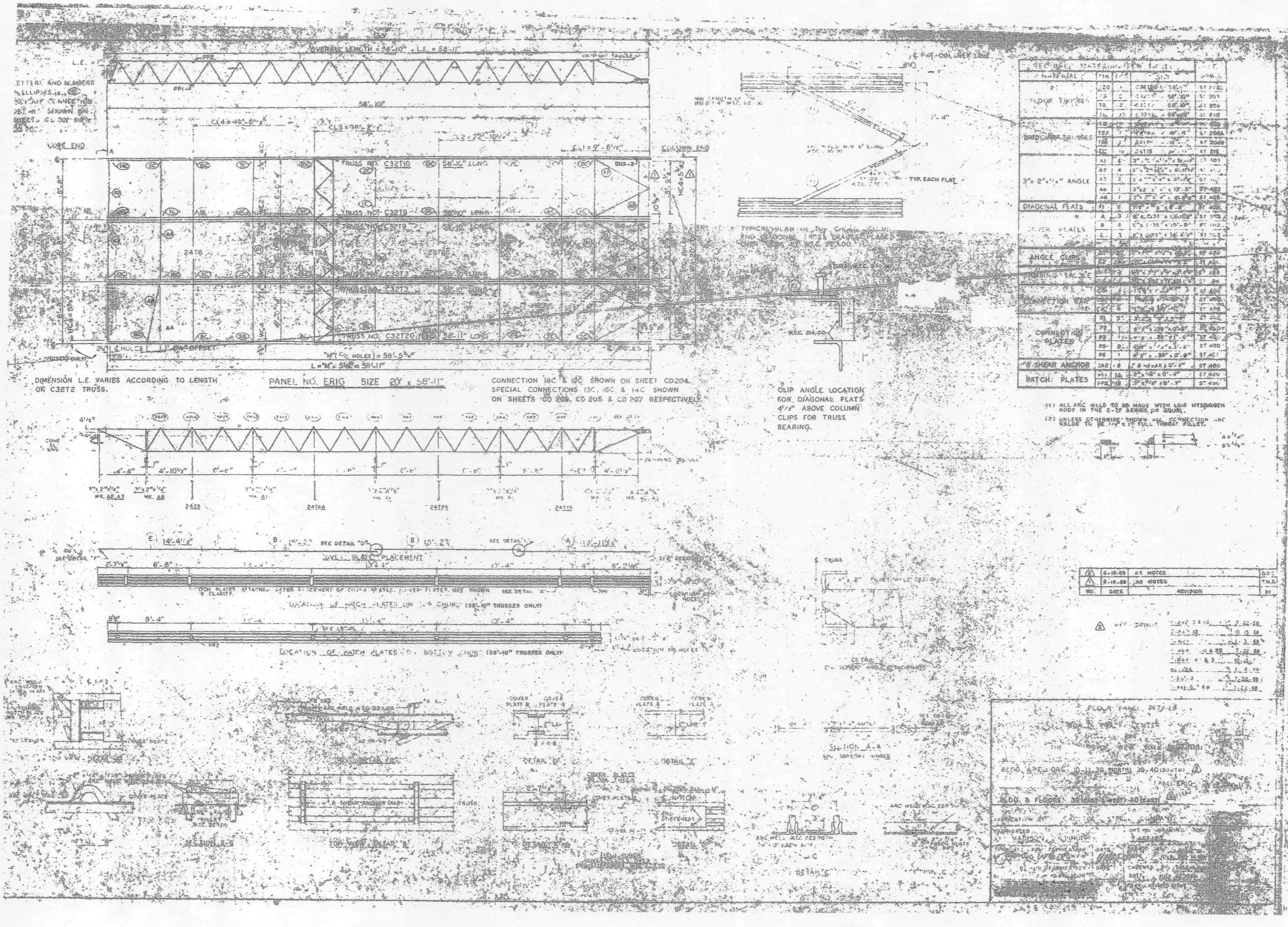
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

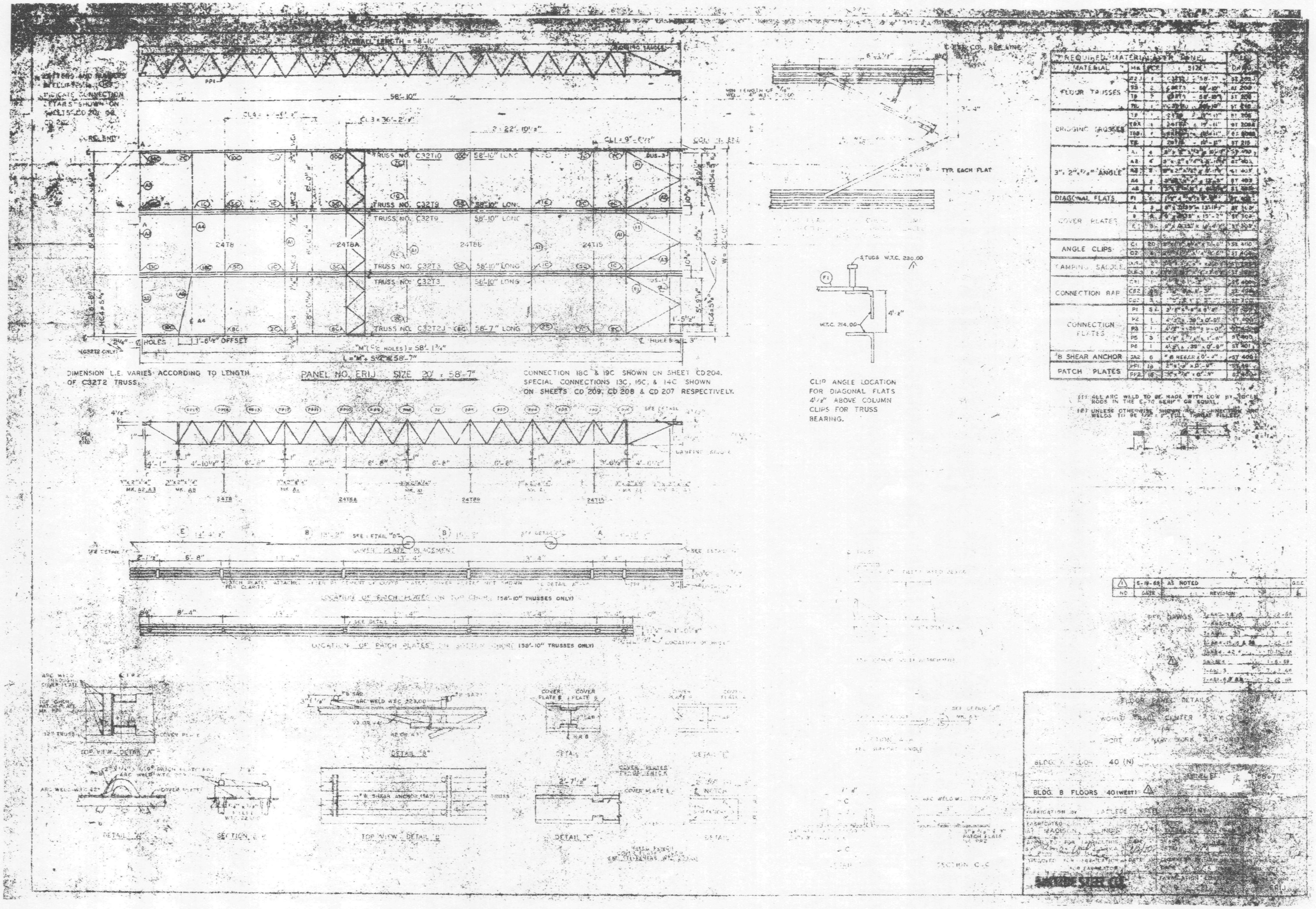
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/2" x 1" FULL THROAT FILLET.

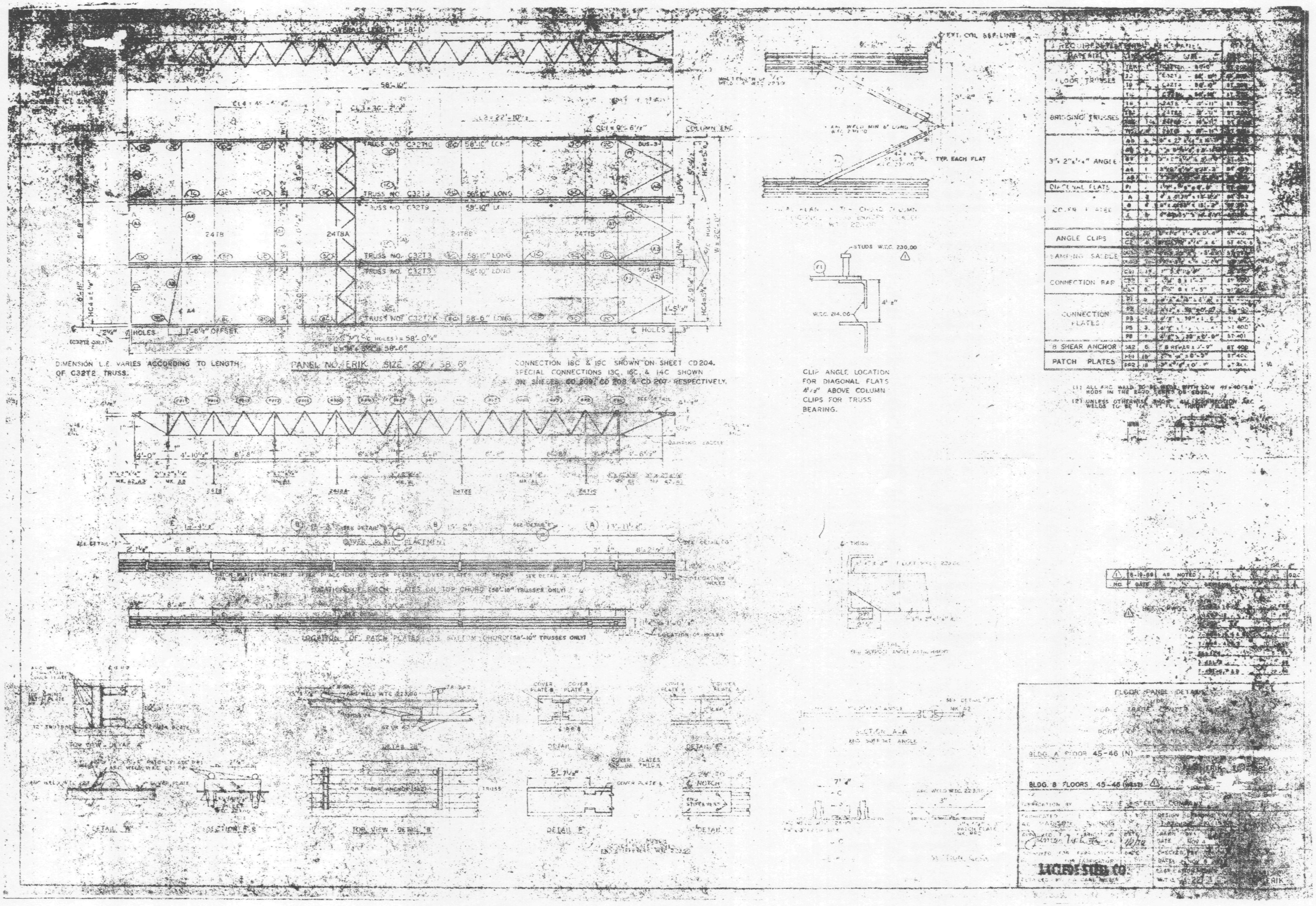
NO.	DATE	REVISION	BY
2	6-19-69	AS NOTED	G.D.C.
1	9-19-68	AS NOTED	T.M.C.

FLOOR PANEL DETAILS
WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
BLDG. 1 FLOORS 10-11 (SOUTH)
PANEL ERIE
FABRICATED BY: LACLEDE STEEL COMPANY

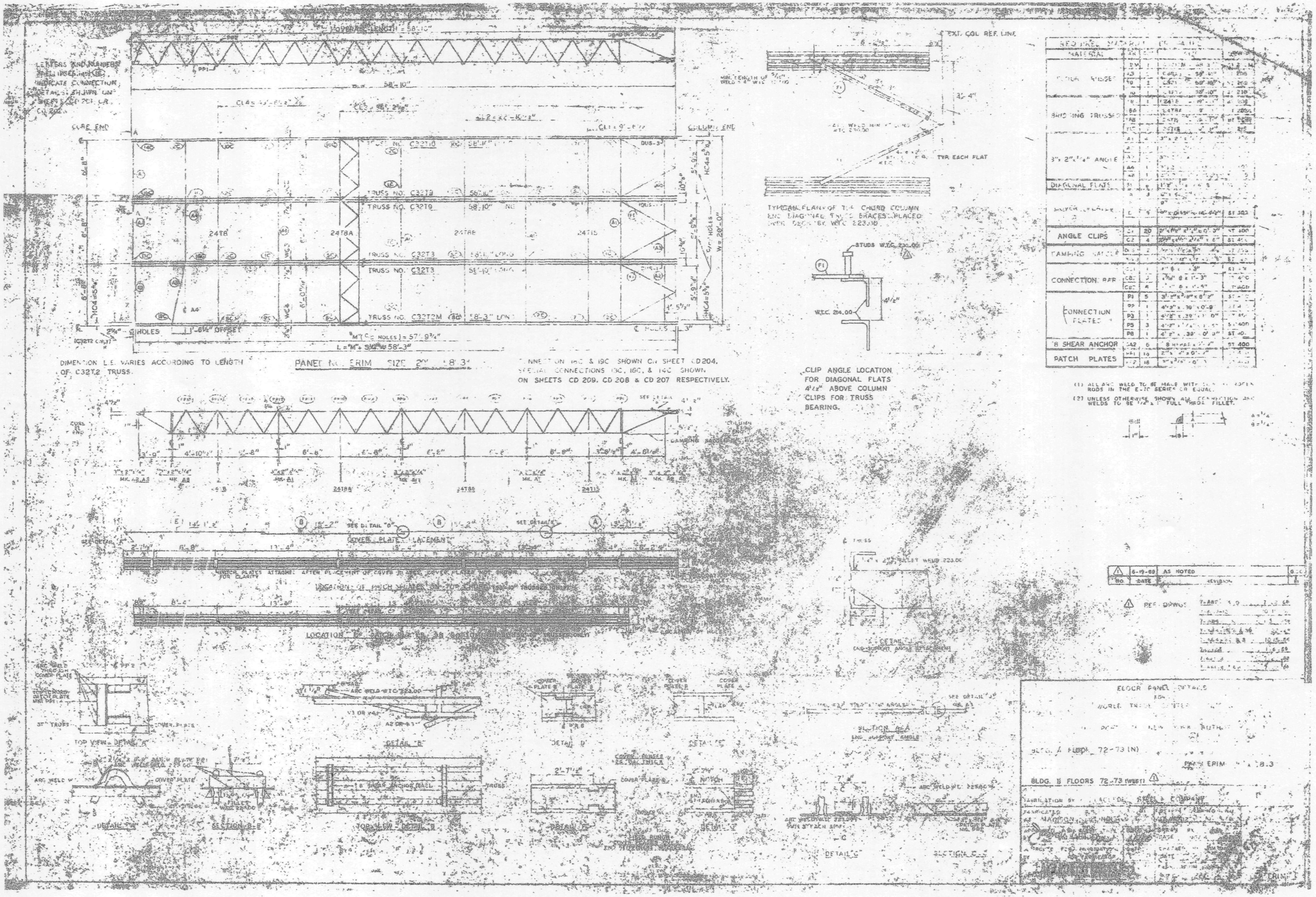

OVERALL LENGTH = 58'-10" · L.E = 59'-2"
58'-10"
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2 59'-2" LONG
COLUMN END
1'-8¾" OFFSET
L="M"+5/8"=59'-2"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIF SIZE 20' x 59'-2"
CONNECTION 18C & 19C SHOWN ON SHEET CD204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
STUDS W.T.C. 230.00
W.T.C. 234.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
3½" x 2½" x ¼" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
½" SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL TOP FILLET WELDS TO BE FULL THROAT FILLET.
DETAIL "A"
SECTION B-B
DETAIL "B"
TOP VIEW - DETAIL "B"
DETAIL "C"
DETAIL "D"
SECTION A-A
WORLD TRADE CENTER
BLDG. A FLOORS 47-48, 70-71 (N)
BLDG. B FLOORS 47-48, 70-71 (WEST)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
NO. DATE REVISION

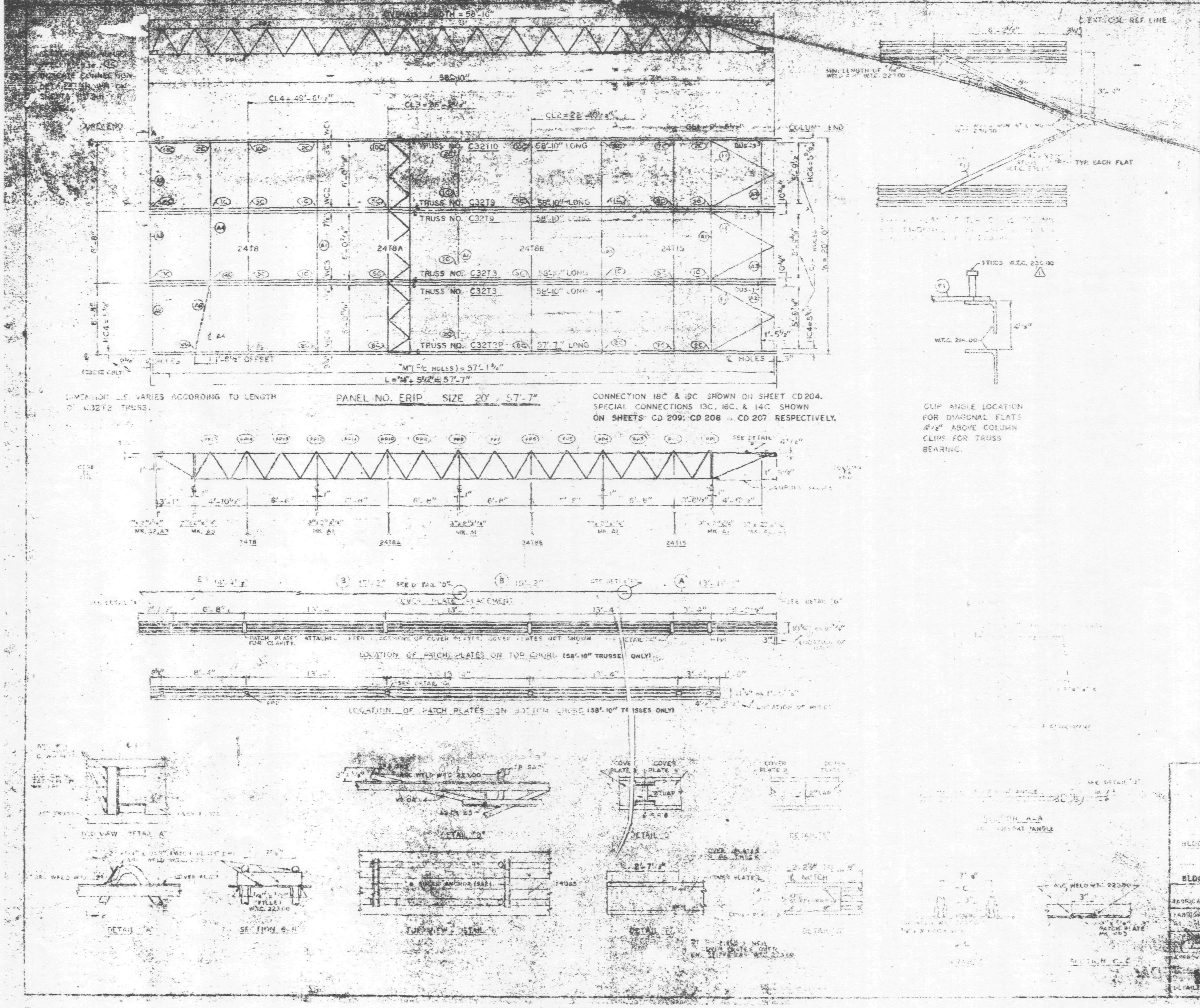

OVERALL LENGTH = 58'-10" L.E. = 58'-11"
58'-10"
CORE END
COLUMN END
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2G 58'-11" LONG
24T8
24T8A
24T8B
24T15
"M" (C/C HOLES) = 58'-5 3/4"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIG SIZE 20' x 58'-11"
CONNECTION 18C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C & 14C SHOWN ON SHEETS CD 203, CD 205 & CD 207 RESPECTIVELY.
TYP. EACH FLAT
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
FLOOR TRUSSES
BRIDGING TRUSSES
3"x 2"x 1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
6" SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" FULL THROAT FILLET.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
SECTION A-A
TOP VIEW - DETAIL "B"
DETAIL "C"
SECTION B-B
6-19-69 AS NOTED
REVISION


OVERALL LENGTH = 58'-10"
58'-10"
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2J 58'-7" LONG
24T8
24T8A
24T8B
24T15
"M" (C-C HOLES) = 58'-1 3/4"
L = "M" + 5 1/4" = 58'-7"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ER1J SIZE 20' x 58'-7"
CONNECTION 18C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
4 1/2"
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
CAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
#8 SHEAR ANCHOR
PATCH PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
TOP VIEW DETAIL "A"
DETAIL "B"
DETAIL "C"
DETAIL "E"
SECTION C-C
TOP VIEW DETAIL "D"
DETAIL "F"
5-19-68 AS NOTED
NO DATE REVISION
REF. DWGS.
FLOOR PANEL DETAILS
WORLD TRADE CENTER
PORT OF NEW YORK AUTHORITY
BLDG. B FLOORS 40 (WEST)
PACIFIC STEEL CO.



OVERALL LENGTH = 58'-10"
58'-10"
COLUMN END
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2K 58'-6" LONG
24T8
24T8A
24T15
1'-6¾" OFFSET
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIK SIZE 20' x 58'-6"
CONNECTION 18C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN
ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYP. EACH FLAT
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
4½" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL FLATS
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
8 SHEAR ANCHOR
PATCH PLATES
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
DETAIL 'A'
SECTION B-B
TOP VIEW - DETAIL 'B'
DETAIL 'E'
SECTION A-A
FLOOR PANEL DETAILS
BLDG. A FLOOR 45-46 (N)
BLDG. B FLOORS 45-46 (WEST)
LACLEDE STEEL CO.


OVERALL LENGTH = 58'-10"
LETTERS AND NUMBERS
CORE END
COLUMN END
TRUSS NO. C32T10
TRUSS NO. C32T9
TRUSS NO. C32T3
TRUSS NO. C32T2M
24T8
24T8A
24T8B
24T15
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIM SIZE
CONNECTION 16C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN
ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
EXT. COL. REF. LINE
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
4 1/2" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.
DAMPING SADDLE
COVER PLATE PLACEMENT
SEE DETAIL "D"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES
LOCATION OF PATCH PLATES ON TOP CHORD
ANGLE CLIPS
3"x 2"x 1/4" ANGLE
DIAGONAL FLATS
CONNECTION BAR
CONNECTION PLATES
#8 SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH ... RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
6-19-69
AS NOTED
NO.
DATE
REVISION
REF. DWGS.
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
ARC WELD W.T.C. 223.00
TOP VIEW DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
COVER PLATE
#8 SHEAR ANCHOR
DETAIL "F"
SECTION B-B
TOP VIEW DETAIL "B"
DETAIL "G"
DETAIL "H"
DETAIL "C"
SECTION C-C
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
PORT OF NEW YORK AUTHORITY
BLDG. A FLOOR 72-73 (N)
PANEL ERIM
BLDG. B FLOORS 72-73 (WEST)
FABRICATION BY
STEEL COMPANY
MADISON
ERIM



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	NO.		
FLOOR TRUSSES	T3P	1	C32T3P x 57'-7"	ST 202P
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A 19'-11"	ST 208A
	T8B	1	24T8B [illegible]	ST 208B
	T15	1	24T15 - [illegible]	ST 215
3" x 2" x [illegible] ANGLE	A1	4	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	[illegible]	[illegible]	ST [illegible]
	A4	3	[illegible]	ST 403
	[illegible]	[illegible]	[illegible]	ST 403
DIAGONAL FLATS	F1	[illegible]	[illegible]	ST 405
COVER PLATES	A	[illegible]	[illegible]	ST 308
	B	3	[illegible]	[illegible]
	C	3	[illegible]	ST 303
ANGLE CLIPS	C1	20	[illegible] x 0'-6"	ST 400
	C2	4	[illegible]	ST 400
[illegible]	[illegible]	2	[illegible]	ST 299
	[illegible]	[illegible]	[illegible]	ST 299
CONNECTION BAR	CB1	1	[illegible] x 1'-3"	ST 400
	CB2	[illegible]	[illegible] x 1'-3"	ST 400
	CB3	8	[illegible] x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x [illegible] x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-6"	ST 400
	P5	3	4 1/2" x [illegible]	ST 400
	P6	1	4 1/2" x .38" x 0'-6"	ST 400
S SHEAR ANCHOR	SA2	6	8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	14	2" x [illegible] x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-7"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION
1	6-19-69	AS NOTED

REF. DRWGS.

7-AB2-3 & 10	7-2-69
7-AB3-12	10-15-68
7-AB4-34	[illegible]
7-AB4-18, 19 & 30	7-22
7-AB4-42 & 3	10-15-68
56-124	1-6-69
-AB1-4	7-22-69
7-AB1-6, 7 & 8	7-23-69

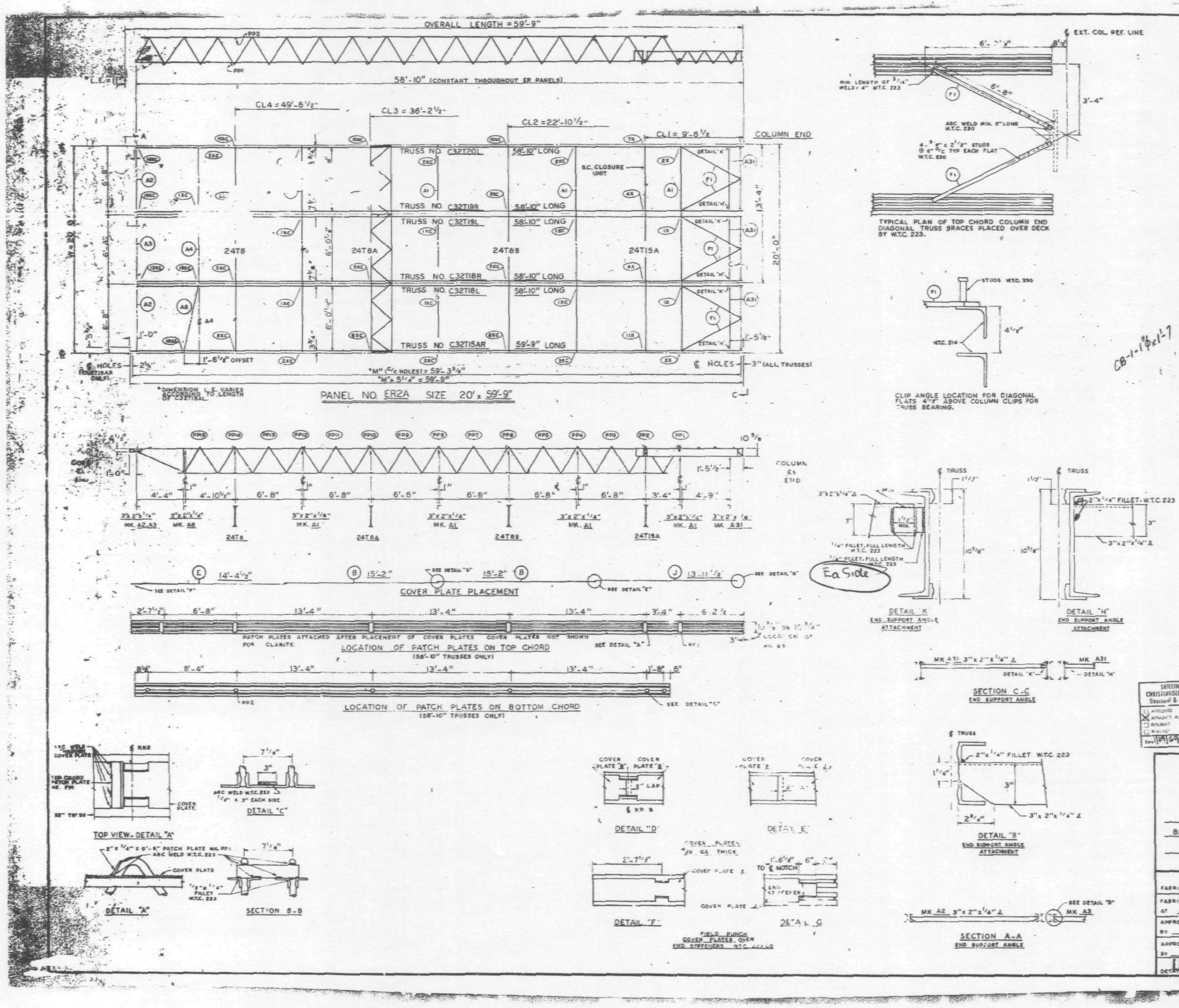
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 74 (N)

PANEL ERIP 20' x 57'-7"

BLDG. B FLOORS 74 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-12 - 10-15-68
APPROVED FOR FABRICATION - DATE [illegible]/70
DRAWN BY [illegible] DATE NOV 4 [illegible]
APPROVED FOR FABRICATION DATE
FOR FABRICATOR
CHECKED BY [illegible] DATE NOV 5 [illegible]
LACLEDE STEEL CO.
DETAILED BY [illegible]
ERIP



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T15AR	1	C32T15AR x 59'-9"	ST 215AL
	T18L / T18R	1 / 1	C32T18L x 58'-10" / C32T18R x 58'-10"	ST 218L
	T19L / T19R	1 / 1	C32T19L x 58'-10" / C32T19R x 58'-10"	ST 219L
	T20L	1	C32T20L x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	ST 208
	T8A	1	24T8A x 19'-11"	ST 208A
	T8B	1	24T8B x 19'-11"	ST 208B
	T15A	1	24T15A x 19'-11"	ST 215A
3" x 2" x 1/4" ANGLE	A1	4	3"x2"x1/4"x 19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	1	3"x2"x1/4"x13'-3"	ST 403
	A8	1	3"x2"x1/4"x6'-8 5/8"	ST 405
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 03
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" ☐ x 8'-6 1/2"	ST 215A
ANGLE CLIPS	C1	20	2" x 1 1/2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 1 1/2" x .25" x 8"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	(2)	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/8" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

CB-1-1 1/8 ϕ x 1'-7

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (IX)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

SKILLING - HELLE CHRISTIANSEN - ROBERTSON Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 1/29/69 By SK

REF. DRWG.	
7-A83-33	10-4-68
7-A83-24	8-15-68
7-A81-14, 17, 18 & 19	10-4-68
7-A82-3	7-22-68
7-A82-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

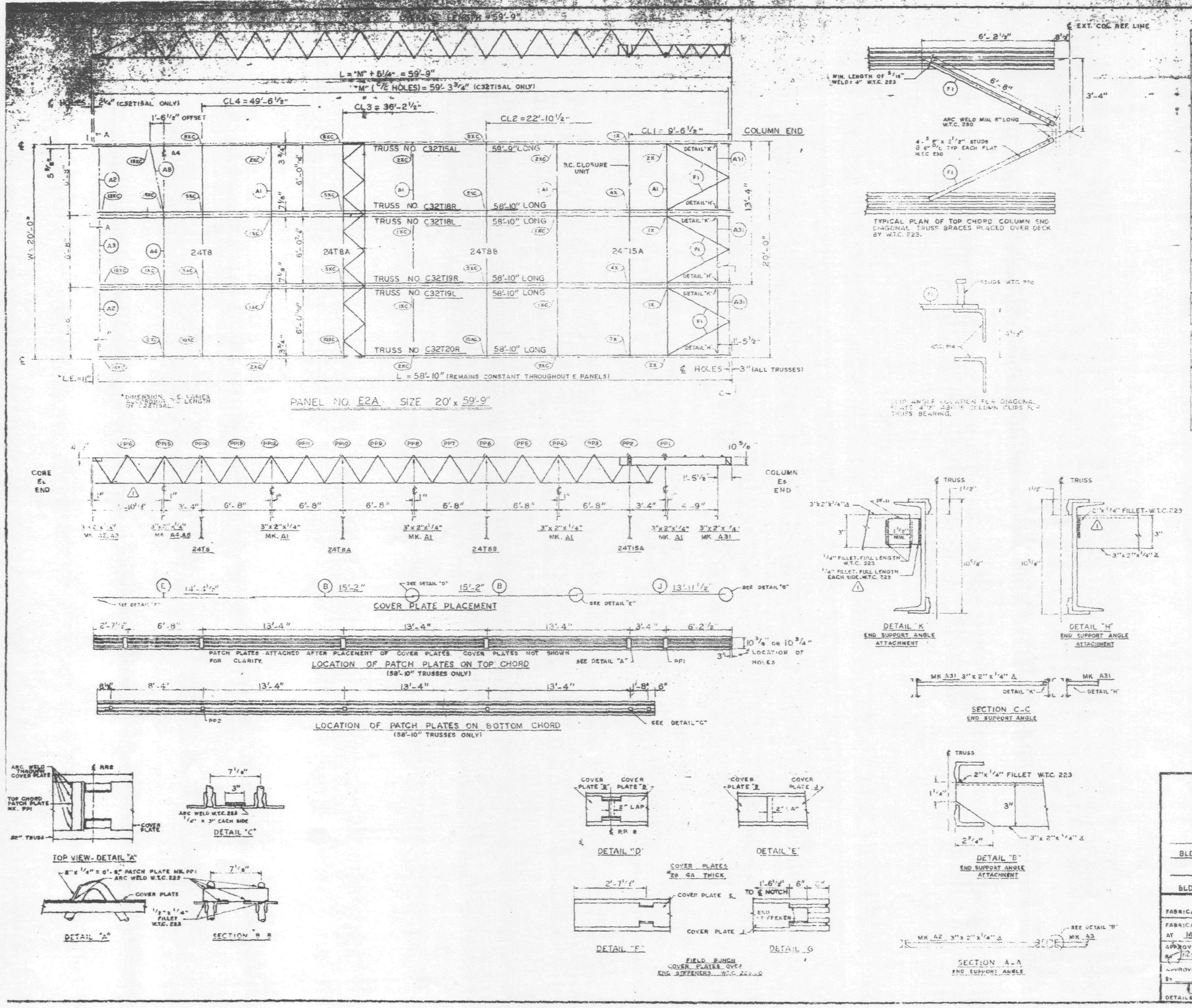
BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL ER2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

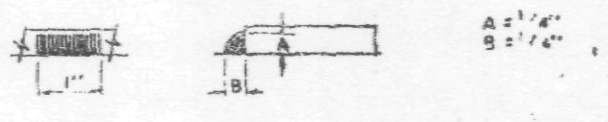
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-A83-33	PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.G. WEBER		FABRICATION CONT. NO W.T.C. 22	SHEET NO FP ER2A

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15AL	1	C32T15AL x 59'-9"	ST 215AL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	ST 208
	T8A	1	24T8A x 19'-11"	ST 208A
	T8B	1	24T8B x 19'-11"	ST 208B
	T15A	1	24T15A x 19'-11"	ST 215A
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4"x 19'-1"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-1 3/4"	ST 403
	A4	1	3"x 2"x 1/4"x 13'-3"	ST 403
	A8	1	3"x 2"x 1/4"x 6'-8 5/8"	ST 405
	A31	3	3"x 2"x 1/4"x 5'-8 1/4"	ST 410
CLOSURE PLATES	PF-11	3	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4" x 0'-9"	ST 400
	PP2	18	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	E	3	9"x .0135" x 14'-4 1/2"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" Ø x 6'-6 1/2"	ST 215A
ANGLE CLIPS	C1	20	2"x 1 1/2"x .25"x 6"	ST 400
	C2	4	2 1/2"x 1 1/2"x .25"x 6"	ST 400
SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	8	1 3/8" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P3	1	4 1/2"x .39"x 1'-0"	ST 400
	P5	3	4 1/2"x 1/4"x 1'-6"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401
	P9	6	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

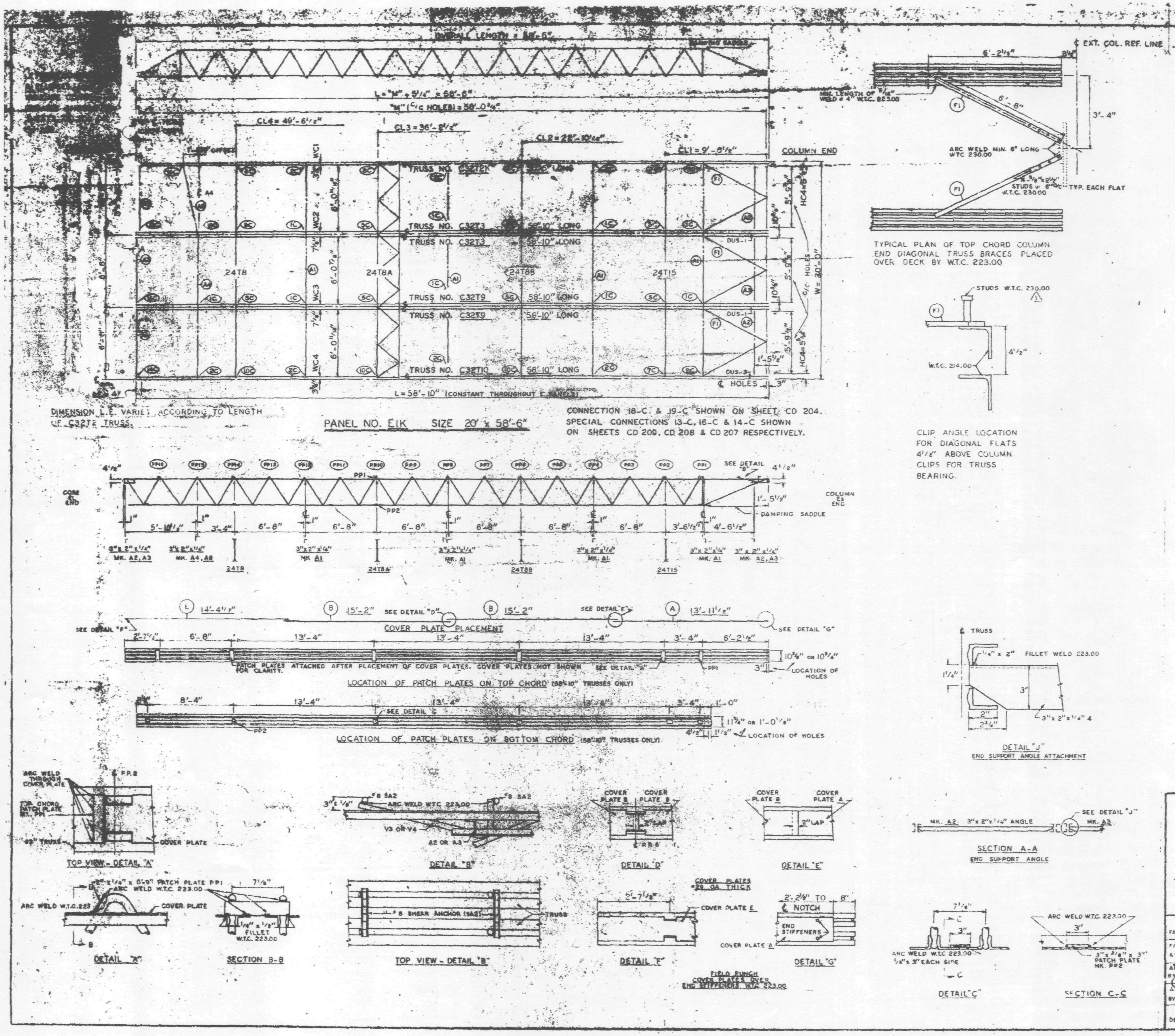
REF. DRWG.

7-AB3-32	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)
PANEL E2A - 59'-9"
BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) 2

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB2-32 PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE
DRAWN BY DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHUBA DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP E2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2K	1	C32T2K - 58'-6"	ST 202K
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208b
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 6'-1[illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1[illegible]	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-5 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-5 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 3/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x [illegible]	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x [illegible]	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	6-18-69	AS NOTED	G.D.C.

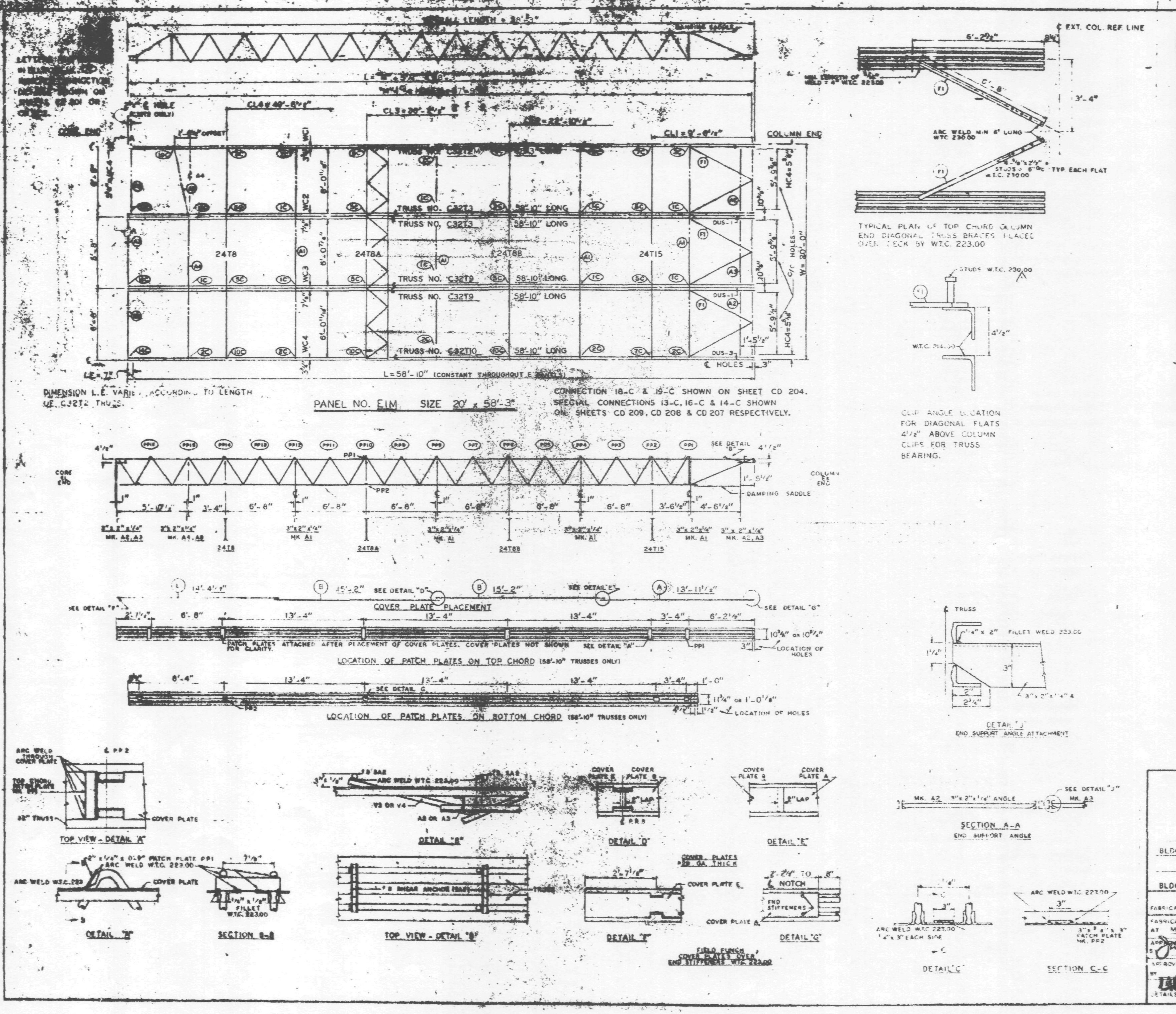
REF. DRWGS. (revision 1)

7-AB2-3 & 10	7-22-68
7-AB3-11	10-15-68
7-AB4-3.1	1-3-[illegible]
7-AB4-15 & 16, 39	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-6-69
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46 (N)
PANEL E1K - [illegible] 3'-6"
BLDG. B FLOORS 46 (WEST) (revision 1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-11
PLATE
APPROVED FOR FABRICATION BY James White [illegible] P.N.Y.A. DATE 1/2/70
DRAWN BY: gdc DATE NOV. 1, 1968
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
LACLEDE STEEL CO.
CHECKED BY: T.M. CHURA DATE NOV. 4, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP E1K



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2M	1	C32T2M - 58'-3"	ST 202M
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 56'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1[illegible]"	ST 403
	A4	1	3" x 2" x 1/4" x [illegible]	ST 403
	A8	1	3" x 2" x 1/4" x [illegible]	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-9"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x [illegible] x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x [illegible] x 1/4" x 6"	ST 400
DAMPING SADDLE	[illegible]	2	[illegible]	ST 268
	DUS 3	1	[illegible]	ST 268
CONNECTION BAR	[illegible]	[illegible]	[illegible]	ST 4[illegible]
	CB2	[illegible]	[illegible]	ST 400
	[illegible]	6	[illegible]	ST 400
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
	[illegible]	1	[illegible]	ST 400
	F3	[illegible]	[illegible]	ST 4[illegible]
	F5	3	[illegible]	ST 400
	P[illegible]	1	[illegible]	ST 401
8 SHEAR [illegible]	SA2	6	[illegible]	[illegible]
PATCH PLATES	PP1	18	2" x [illegible] x [illegible]-9"	ST 4[illegible]
	PP2	18	3" x 3/8" x [illegible]	ST 4[illegible]

(1) ALL ARC WELD TO BE MADE WITH LOW HY[illegible] RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION
1	6-18-69	AS NOTED

REF. DRWGS.

7-AB4-[illegible]-8-F39	7-22-[illegible]
7-AB4 4-43	[illegible]
3A-124	[illegible]
7-AB1-3	7-22-[illegible]
7-AB1 6,7 AB	7-22-[illegible]

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)

PANEL E[illegible] 2[illegible] 58'-3"

BLDG. B FLOORS 72-73 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION FOR PORT A. — James White — DATE 1/2/70

APPROVED FOR FABRICATION BY FOR FABRICATOR — LACLEDE STEEL CO. — DATE

DETAILED BY [illegible]

DESIGN DRAWING NO. 7 AB2-11

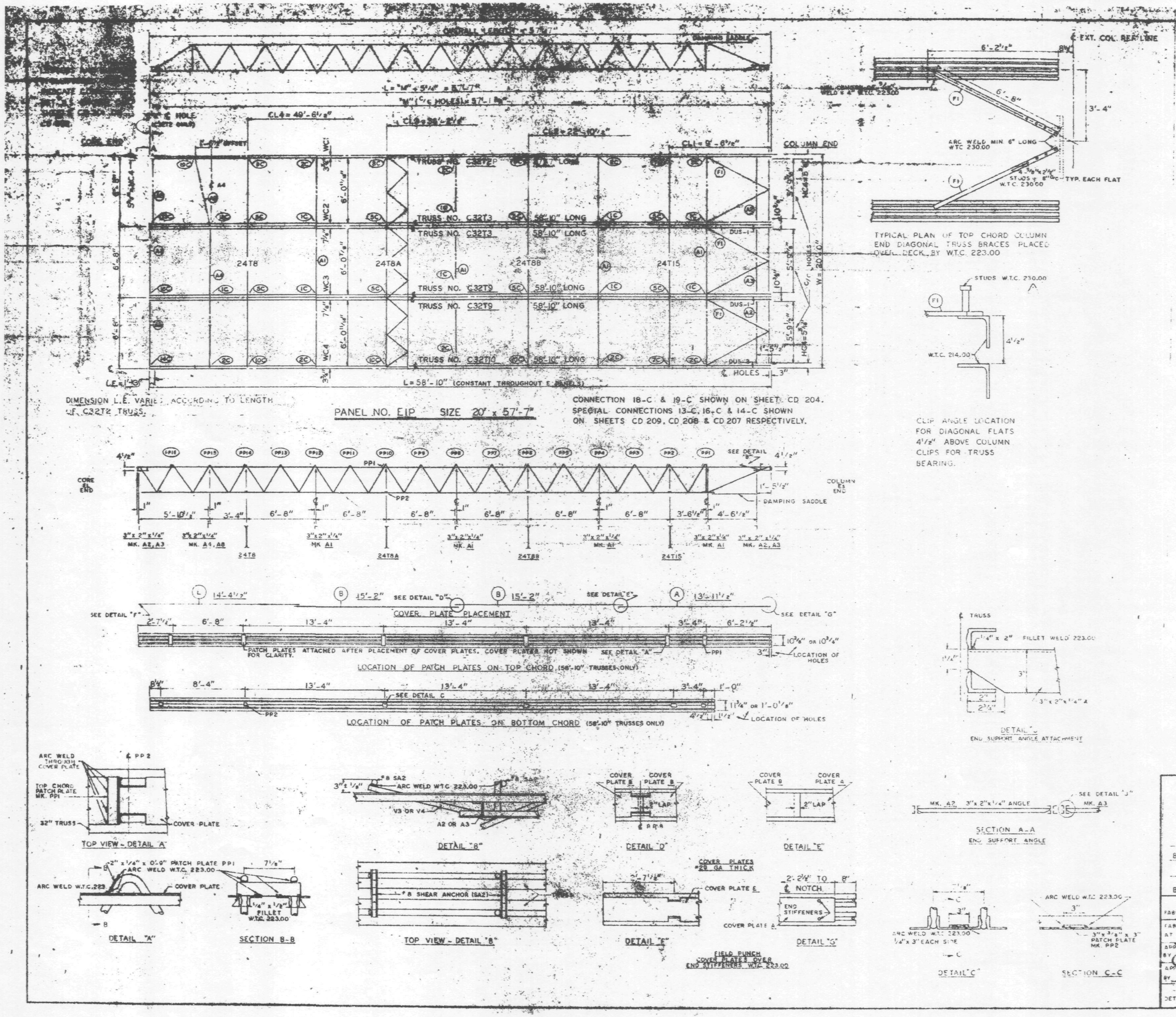
DRAWN BY [illegible] DATE NOV. 1, 1968

CHECKED BY: [illegible] DATE NOV. 4, 1968

FABRICATION CONT. NO. W.T.C. 221

IN CHARGE OF FRED DEV

SHEET NO. FP E1M



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2P	1	C32T2P - 57'-7"	ST 202P
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1[illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1[illegible]	ST 403
	A4	1	3" x 2" x 1/4" x 13' 3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-[illegible]	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x [illegible] x 3'-[illegible]	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6[illegible]	ST 298
CONNECTION BAR	CB1	1	1" ¢ x 1'-3"	ST 400
	CB2	6	1 5/16" ¢ x 1'-3"	ST 400
	CB3	6	1 5/8" ¢ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3 1/2" x 3/8" x [illegible]	ST 400
	F2	1	4 1/2" x .39" x 0'-9"	ST 400
	F3	1	4 1/2" x .34" x [illegible]	ST 400
	F5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	PF	1	4 1/2" x [illegible] x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION
1	6-18-69	AS NOTED

REF. DRWGS.

7-AB[illegible]	7-22-68
7-AB3-11	10-15-68
7-AB4-[illegible]	1-3-[illegible]
7-AB4 15 & 16,30	7-22-68
7-AB4 42 & 3	10-15-68
SA-124	1-6-69
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 74 (N)

PANEL E1P 20' x 57'-7"

BLDG. B FLOORS 74 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-11

APPROVED FOR FABRICATION BY James [illegible] P.N.Y.A DATE 1/2/70

DRAWN BY G.D.L. DATE NOV. 1, 1968

APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE

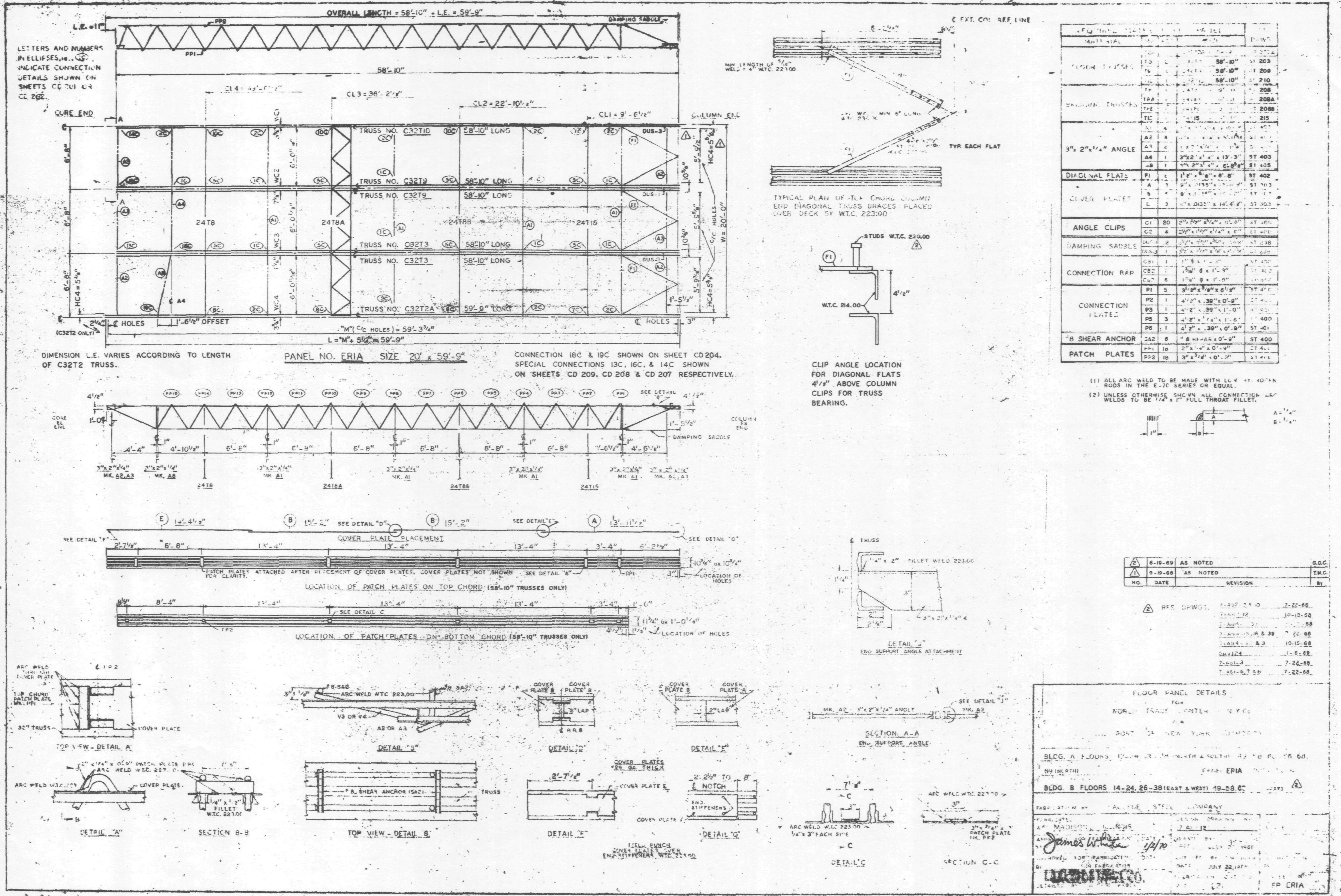
CHECKED BY: T.M. CHURA DATE NOV. 4, 1968

IN CHARGE OF PROD. DEV.

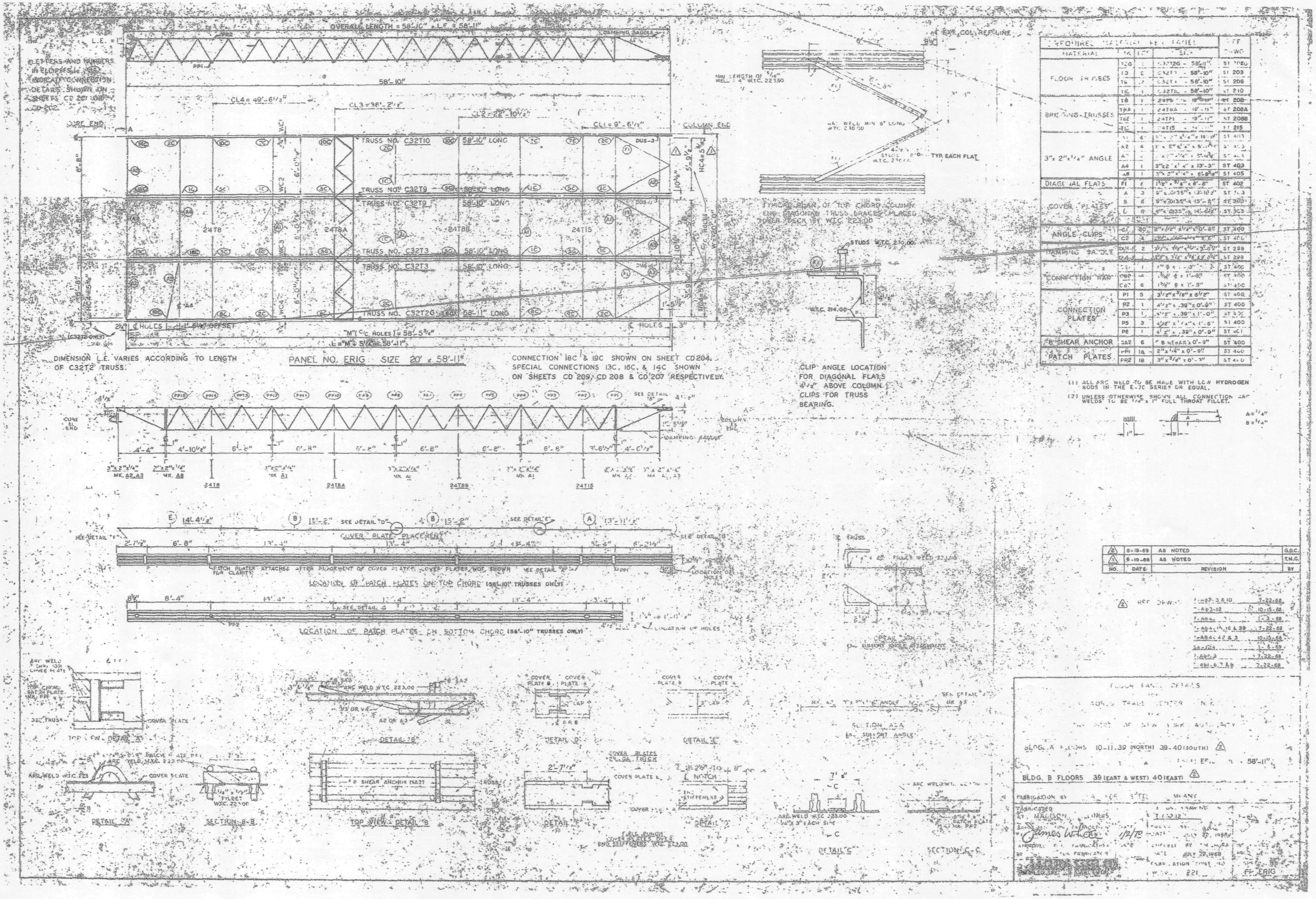
DETAILED BY A. CARL WEBER

FABRICATION CONT. NO. W.T.C. 221

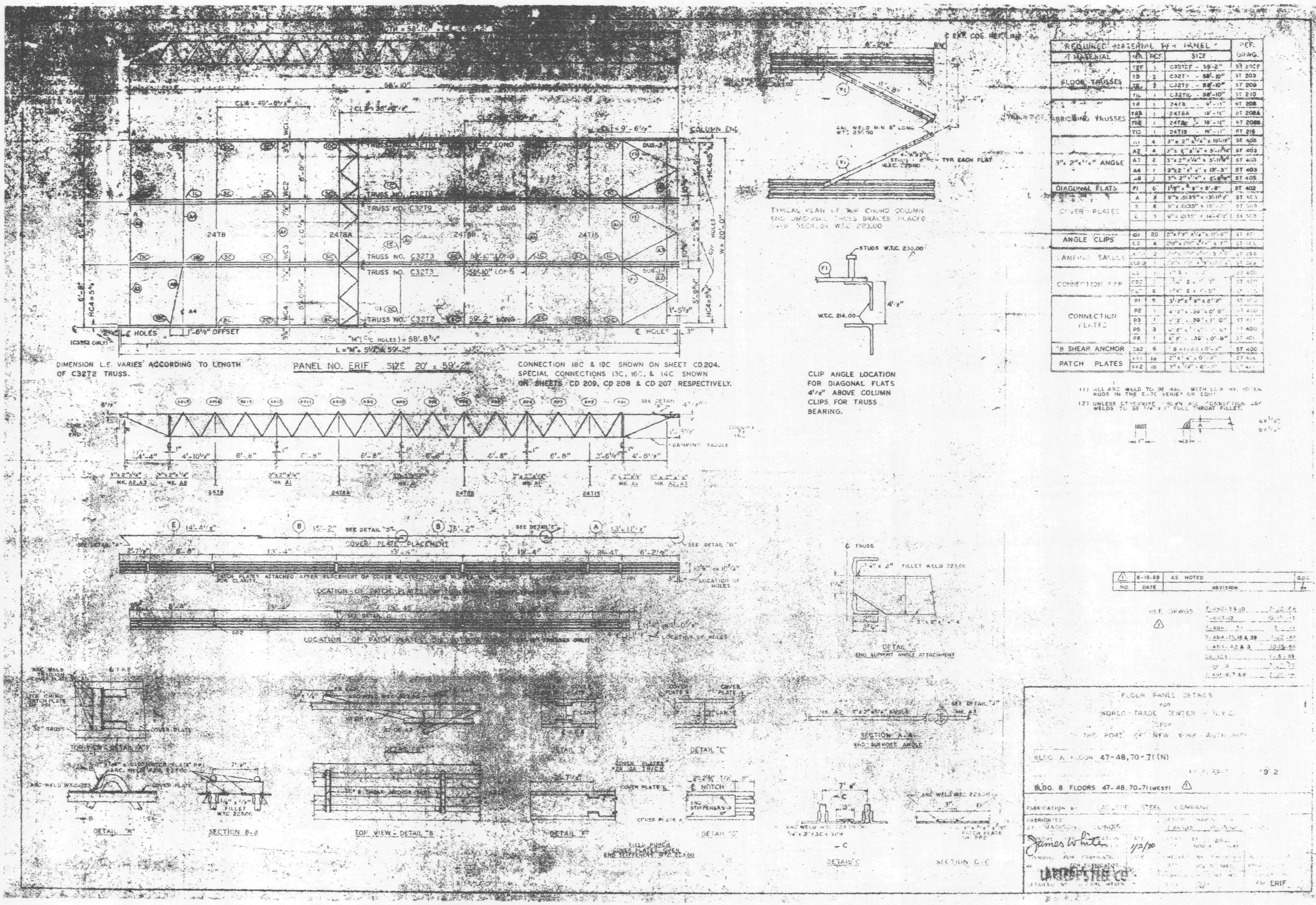
SHEET NO. FP E1P



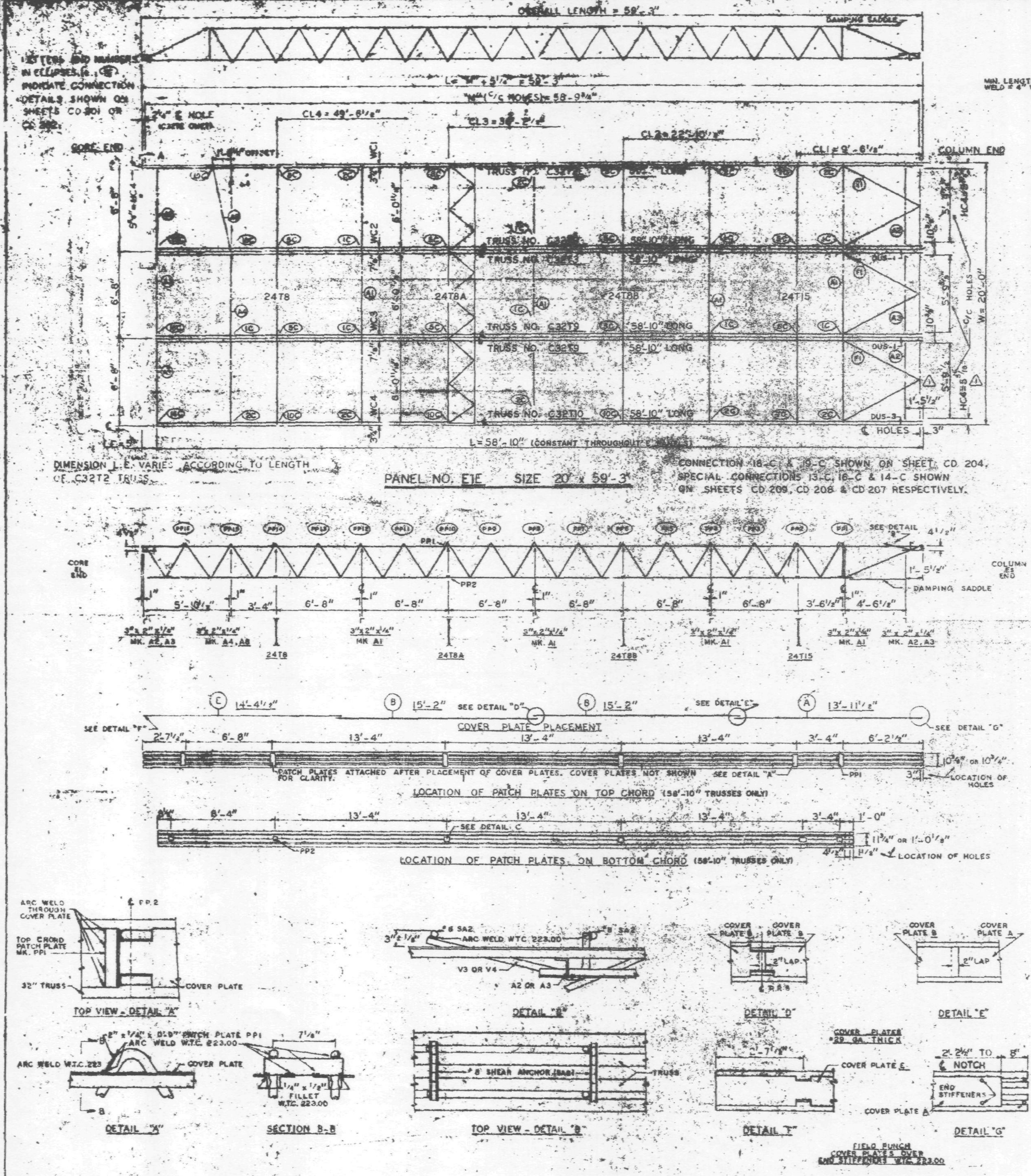
OVERALL LENGTH = 58'-10" + L.E. = 59'-9"
LETTERS AND NUMBERS IN ELLIPSES, i.e., INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.
CORE END
COLUMN END
DAMPING SADDLE
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2A 59'-9" LONG
24T8
24T8A
24T8B
24T15
CL1 = 9'-6½"
CL2 = 22'-10½"
CL3 = 36'-2⅞"
HC4 = 5⅝"
W = 20'-0"
℄ HOLES
1'-6½" OFFSET
"M" (C/C HOLES) = 59'-3¾"
L = "M" + 5¼" = 59'-9"
(C32T2 ONLY)
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIA SIZE 20' x 59'-9"
CONNECTION 18C & 19C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x ¼" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
#8 SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.
DAMPING SADDLE
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
SEE DETAIL "F"
SEE DETAIL "G"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
2 | 6-19-69 | AS NOTED | G.D.C.
1 | 9-19-68 | AS NOTED | T.M.C.
NO. | DATE | REVISION | BY
TOP VIEW - DETAIL A
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL B
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 6?
PACIFIC STEEL COMPANY
James White 1/2/70
FP ERIA

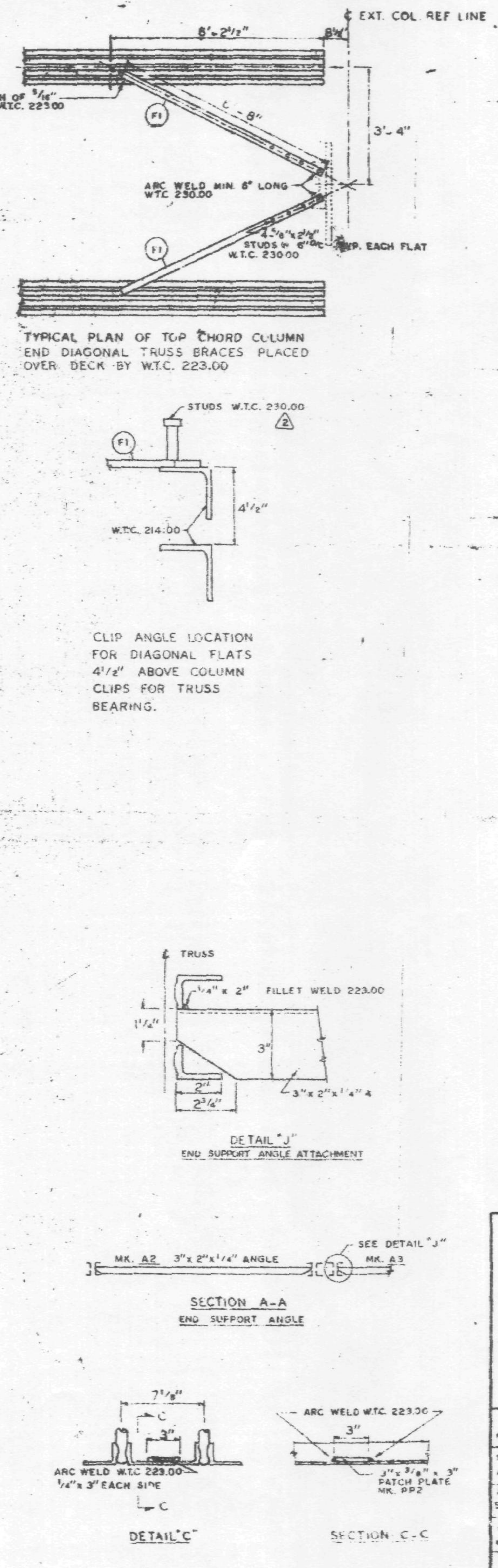


OVERALL LENGTH = 58'-10" + L.E. = 58'-11"
L.E. = 1"
58'-10"
CL4 = 49'-6½"
CL3 = 36'-2½"
CL2 = 22'-10½"
CL1 = 9'-6½"
COLUMN END
CORE END
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2G 58'-11" LONG
PANEL NO. ERIG SIZE 20' x 58'-11"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
CONNECTION 18C & 19C SHOWN ON SHEET CD204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
DETAIL "C"
SECTION C-C
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.
2 | 5-19-69 | AS NOTED
1 | 5-19-68 | AS NOTED
NO. | DATE | REVISION | BY
BLDG. A FLOORS 10-11, 39 (NORTH) 39-40 (SOUTH)
58'-11"
BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST)
FABRICATED AT MADISON, ILLINOIS
JULY 22, 1968
221
ERIG



REQUIRED MATERIAL FOR PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2F	1	C32T2F - 59'-2"	ST 202F
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 402
	A2	4	3" x 2" x 1/4" x 5'-11"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	[illegible]
	C2	4	2 1/2" x 1 1/2" x 1/4" x 8"	[illegible]
DAMPING SADDLE	[illegible]	2	[illegible]	ST 258
	DUS-3	1	[illegible]	[illegible]
CONNECTION BAR	[illegible]	[illegible]	[illegible]	ST 400
	CB2	[illegible]	[illegible]	[illegible]
	[illegible]	6	[illegible]	[illegible]
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	[illegible]
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	[illegible]
	P5	3	[illegible]	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	[illegible]
	PP2	18	3" x 3/8" x 0'-3"	[illegible]

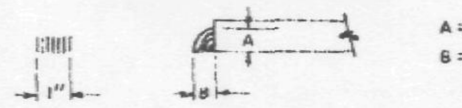




REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2E	1	C32T2E - 53'-3"	ST 202E
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A4	1	3" x 2" x 1/4" x 19'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 8'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ⌀ x 1'-3"	ST 400
	CB2	3	1 3/16" ⌀ x 1'-3"	ST 400
	CB3	6	1 3/8" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	[illegible]	ST 400
	F2	1	[illegible]	ST 400
	F3	1	[illegible]	ST 400
	F5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-9"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION
2	6-18-69	AS NOTED
1	9-19-68	AS NOTED

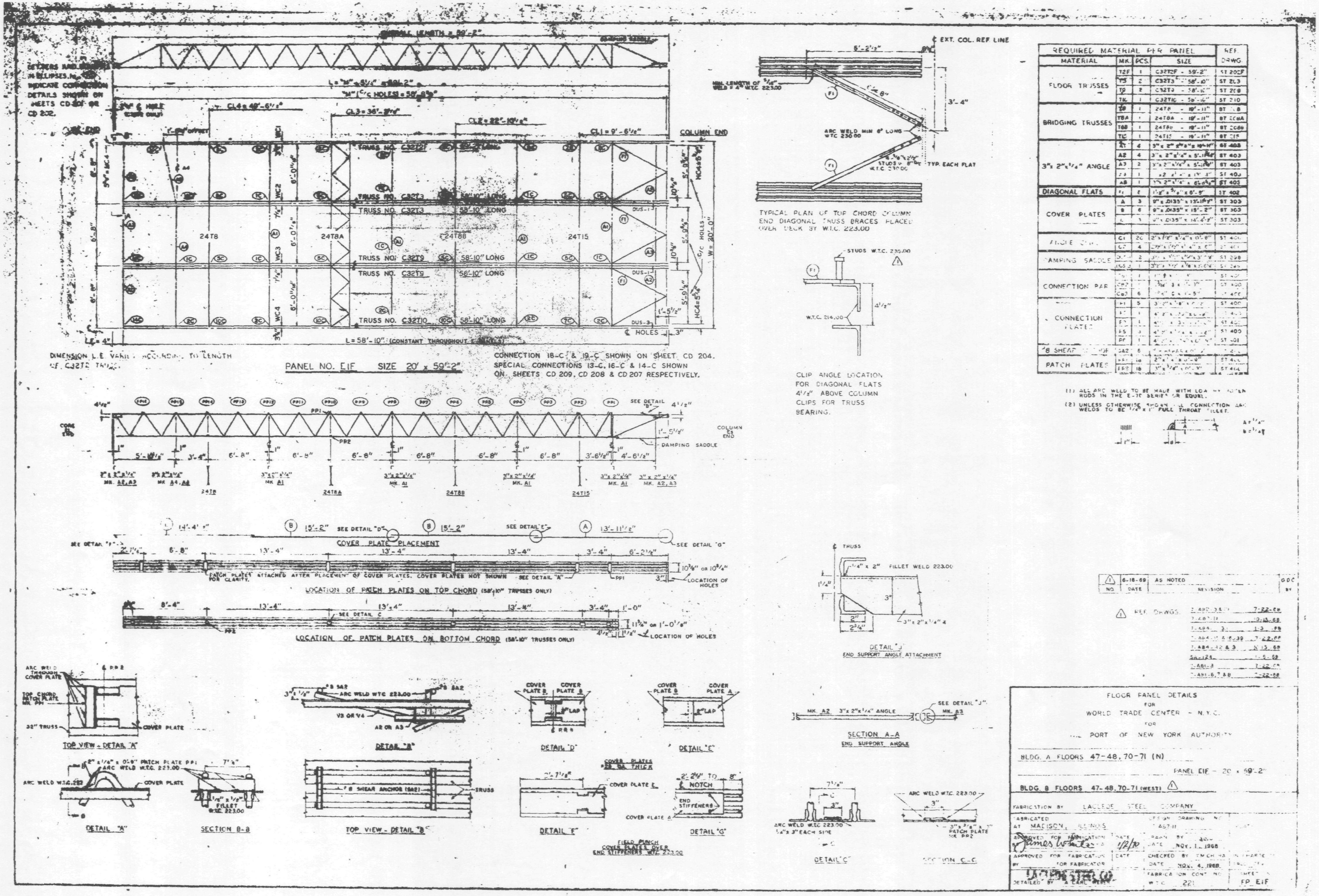
REF. DRWGS

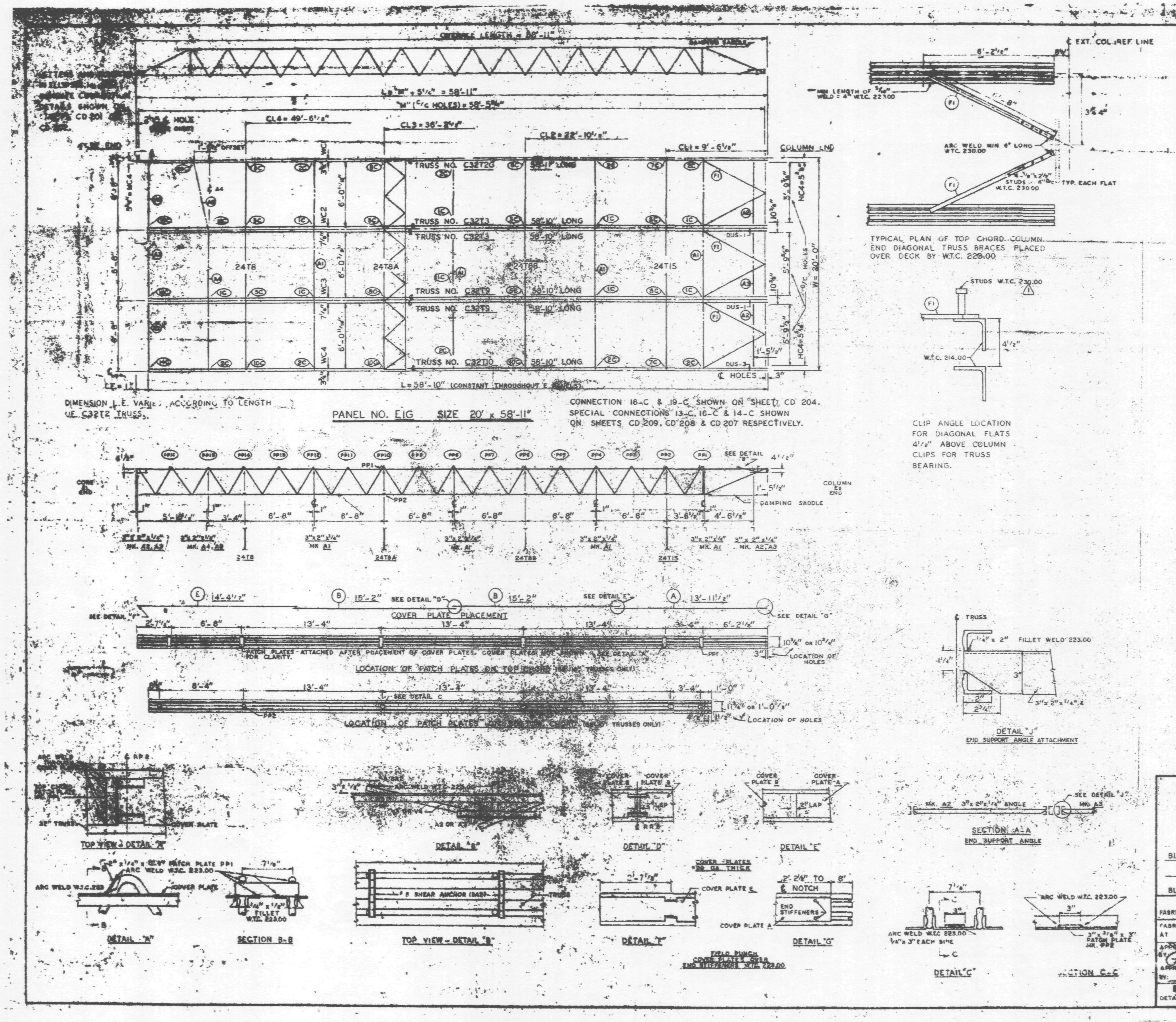
7-AB2-3 & 10	7-22-66
7-AB2-11	10-15-66
7-AB4-[illegible]	[illegible]
7-AB4-15, 16 & 39	7-22-66
7-AB4-42 & 3	10-15-66
[illegible]-124	[illegible]
7-AB1-3	7-22-66
7-AB1-6, 7 & 8	7-22-66

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH & SOUTH)
69 (NORTH) PANEL EE - 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB2-11
PLATE
APPROVED FOR FABRICATION BY James White DATE 1/2/70
DRAWN BY [illegible] DATE JULY 22, 1968
APPROVED FOR FABRICATION DATE
CHECKED BY [illegible] DATE JULY 22, 1968
IN CHARGE OF PROD. DEPT.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP E1E
DETAILED BY A. CARL WEBER


PANEL NO. E1F SIZE 20' x 59'-2"
COLUMN END
CORE END
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T10 58'-10" LONG
L = 58'-10" (CONSTANT THROUGHOUT E-1F)
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS
CONNECTION 18-C & 19-C SHOWN ON SHEET CD 204.
SPECIAL CONNECTIONS 13-C, 16-C & 14-C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
EXT. COL. REF LINE
ARC WELD MIN 6" LONG W.T.C. 230.00
TYP. EACH FLAT
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
CONNECTION PLATES
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
LOCATION OF HOLES
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
6-18-69 AS NOTED
REF. DWGS.
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 47-48, 70-71 (N)
PANEL E1F - 20 x 59'-2"
BLDG. B FLOORS 47-48, 70-71 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DATE NOV. 1, 1968
CHECKED BY
DATE NOV. 4, 1968
FABRICATION CONT. NO. W.T.C. 221
SHEET FP E1F



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2G	1	C32T2G - 58'-11"	ST 202G
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A4	1	3" x 2" x 1/4" x 1'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 3/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ⌀ x 1'-3"	ST 400
	CB2	6	1 3/16" ⌀ x 1'-3"	ST 400
	CB3	8	1 5/8" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .38" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	6-18-69	AS NOTED	G.D.C.

REF. DRWGS. (1)

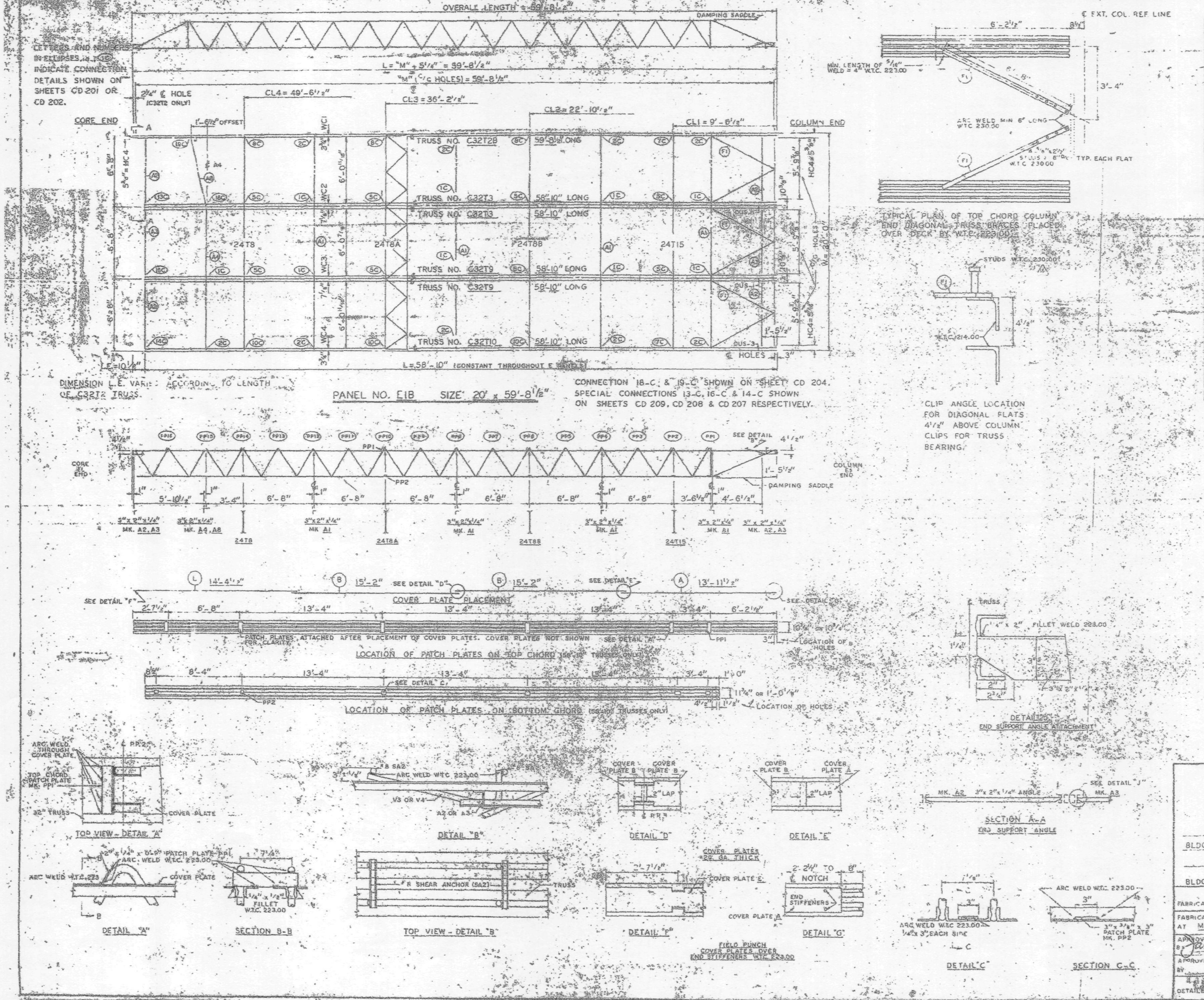
7-AB2-3 & 10	7-22-68
7-AB3-11	10-15-68
7-AB4- 3.1	1-3 -68
7-AB4-15 & 16, 39	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-6-69
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (N&S)
PANEL EIG - 20' x 58'-11"
BLDG. B FLOORS 39-40 (EAST & WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

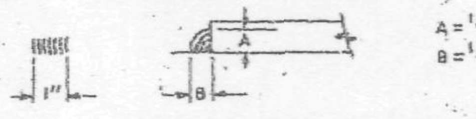
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-11	PLATE
APPROVED FOR FABRICATION BY James White P.N.Y.A.	DATE 1/2/70	DRAWN BY: gdc DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE NOV. 4, 1968	IN CHARGE OF PROD. DEV.
DETAILED: LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-EIG



REQUIRED MATERIAL PER PANEL				REF. DRWGS
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T28	1	C32T28 - 59'-8 1/2"	ST 202B
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	3" x 2" x 1/4" x 6'-3 7/16"	ST 403
DIAGONAL FLATS	F1	[illegible]	[illegible] x 6'-9"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .38" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO	DATE	REVISION	BY
1	6-18-69	AS NOTED	G.D.C

(1) REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-11	10-15-68
7-AB4-3	1-3-68
7-AB4-15 & 16-39	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-6-69
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 84-91, 93-106 (N)

PANEL E1B - 20' x 59'-8 1/2"

BLDG. B FLOORS 84-91, 93-106 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY James White P.N.Y.A DATE 1/2/70

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

DETAILED BY LACLEDE STEEL CO.

DESIGN DRAWING NO. 7-AB3-11

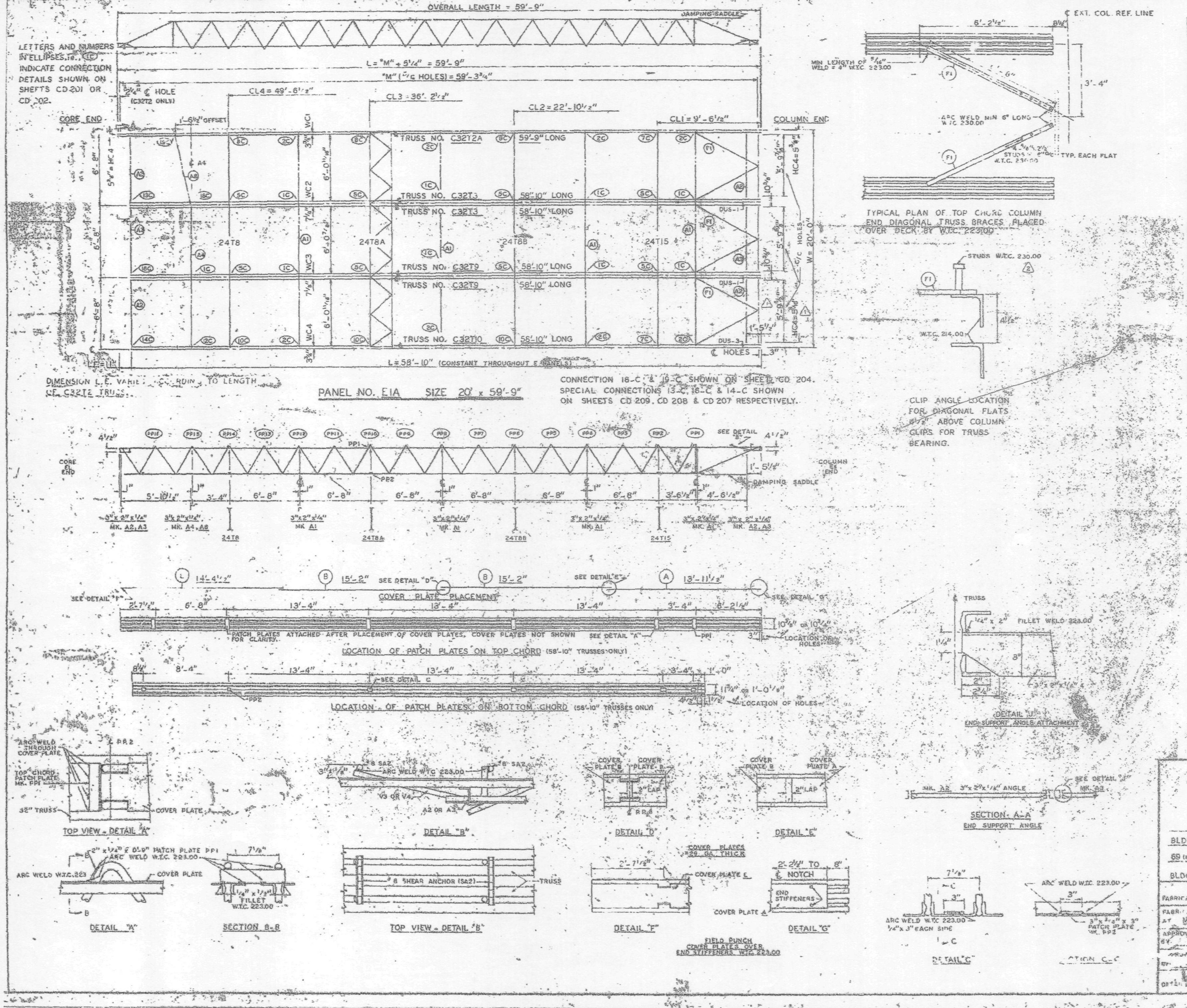
DRAWN BY gdc DATE NOV. 1, 1968

CHECKED BY T.M. CHURA DATE NOV. 4, 1968

FABRICATION CONT. NO. W.T.C. 221

IN CHARGE OF PROD. DEP.

SHEET NO. EP E1B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T2A	1	C32T2A - 59'-9"	ST 202A
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST [illegible]8
	T8A	1	24T8A - 19'-11"	ST [illegible]A
	T8B	1	24T8B - 19'-11"	ST [illegible]
	T15	1	24T15 - 19'-11"	ST [illegible]
3"x 2"x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1 [illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 5'-[illegible]	ST 403
	A4	1	[illegible]	[illegible]
	A8	1	3" x 2" x 1/4" x 6'-[illegible]	ST 40[illegible]
DIAGONAL FLATS	F1	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2 1/2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 [illegible]"	ST 288
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 [illegible]"	ST 288
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x [illegible]	ST 400
	P5	3	4 1/2" x [illegible] x [illegible]-6"	ST 400
	P6	1	4 1/2" x [illegible] x 0'-[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	
2	6-16-69	AS NOTED	G.O.C.
1	9-12-68	AS NOTED	T.B.C.

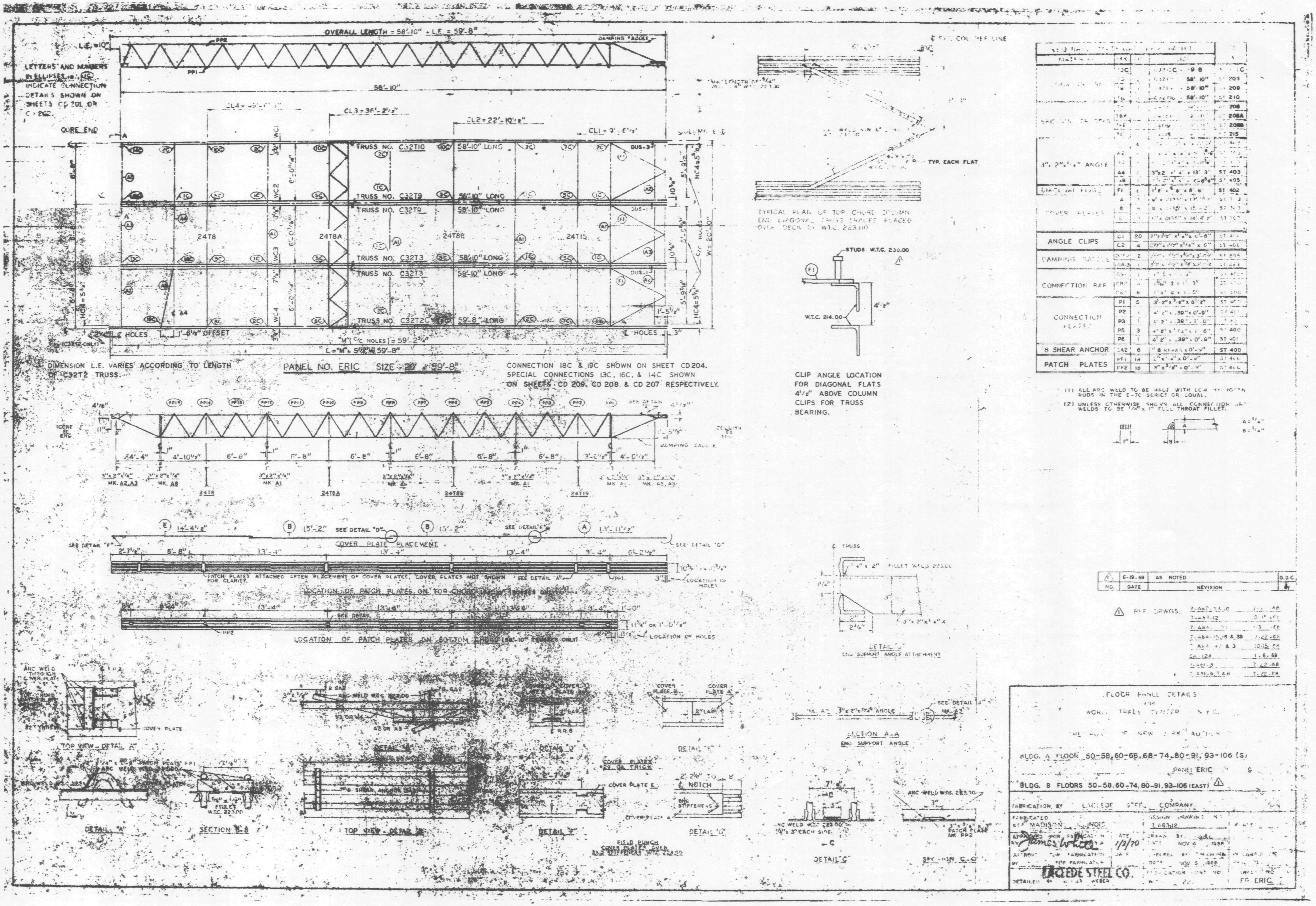
2 REF. DRWGS.

7-AB2-34	7-22-68
7-AB3-11	10-15-68
7-AB4-3	7-3-68
7-AB4-15,16 & 17	7-22-68
7-AB4-42 & 3	10-15-68
3AC124	1-6-68
7-AB1-3	7-22-68
7-AB1-6,7 & 8	7-22-68

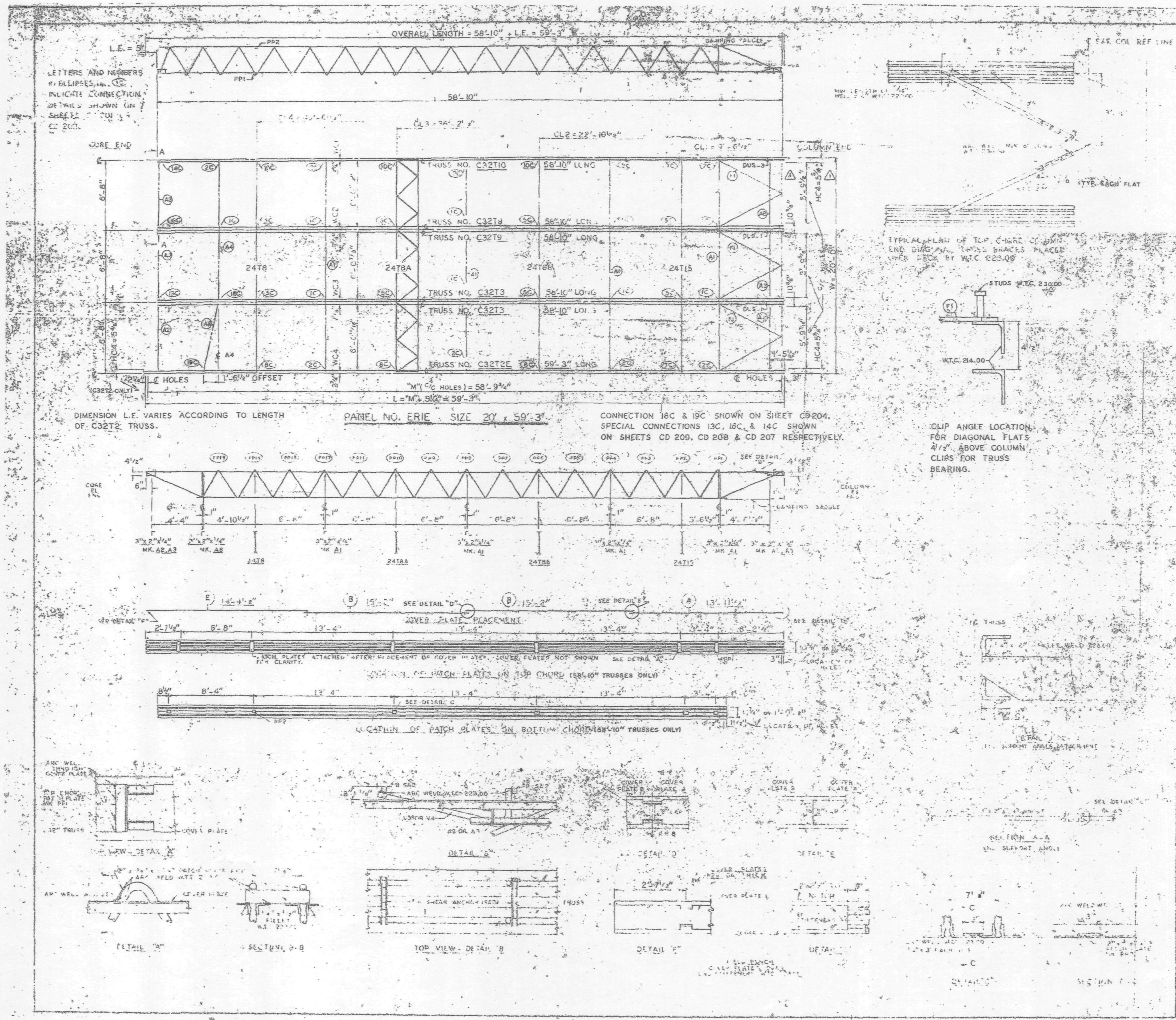
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-59, 60-66, 68, 69 (NORTH) PANEL E1A - 20' x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-55, [illegible] 2

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-11
APPROVED FOR FABRICATION BY [illegible] FOR P.C.&S.A. DATE [illegible]
DRAWN BY [illegible] DATE JULY 22, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY: T.M. CHURA DATE JULY 22, 1968
IN CHARGE OF PROD. DEPT.
DETAILED LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. E1A



OVERALL LENGTH = 58'-10" + L.E. = 59'-8"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.
58'-10"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/8"
CORE END
COLUMN END
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2C 59'-8" LONG
24T8
24T8A
24T8B
24T15
"M" (C/C HOLES) = 59'-2 3/4"
L = "M" + 5 1/4" = 59'-8"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIC SIZE 20' x 59'-8"
CONNECTION 18C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
LOCATION OF HOLES
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
3/4" SHEAR ANCHOR
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
COVER PLATES
DIAGONAL FLATS
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION BAR WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
6-19-69 AS NOTED
NO. DATE REVISION
REF. DRWGS.
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.22
FLOOR PANEL DETAILS
WORLD TRADE CENTER
BLDG. A FLOOR 50-58, 60-65, 68-74, 80-91, 93-106 (S)
PANEL ERIC
BLDG. B FLOORS 50-58, 60-74, 80-91, 93-106 (EAST)
FABRICATION BY LACLEDE STEEL COMPANY
MADISON, ILLINOIS
1/2/70
NOV 4 1968
NOV 5 1968
LACLEDE STEEL CO.
FP ERIC



FLOOR TRUSSES	2E	1	[illegible] 3"	[illegible]
	[illegible]	2	[illegible] 58'-10"	203
	[illegible]	[illegible]	58'-10"	209
	[illegible]	[illegible]	[illegible] 58'-10"	210
[illegible]	[illegible]	[illegible]	[illegible]	208
	T8A	[illegible]	[illegible]	208A
	T8B	[illegible]	[illegible]	208B
	T15	[illegible]	[illegible] 15	215
3" x 2" x ¼" ANGLE	[illegible]	4	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A3	[illegible]	[illegible]	[illegible]
	A4	1	3" x 2" x ¼" x 13'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-8⅝"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
COVER PLATES	A	[illegible]	[illegible]	[illegible]
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 0'-[illegible]"	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 299
CONNECTION BAR	CB1	1	1" Ø x 1'-3"	ST 400
	CB2	3	1⅛" Ø x 1'-3"	ST 400
	CB3	6	1⅛" Ø x 1'-5"	[illegible]
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	[illegible]
	P2	1	4½" x .39" x 0'-9"	[illegible]
	P3	1	4½" x .39" x 1'-0"	[illegible]
	P5	3	4½" x ⅞" x 1'-6"	ST 400
	P8	1	4½" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-7"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY
2	6-19-69	AS NOTED	G.D.C.
1	9-18-68	AS NOTED	T.M.C.

2 REF. DWGS.

[illegible] 10	7-22-68
[illegible] 12	10-15-68
[illegible]	[illegible]
[illegible] 16 & 39	7-22-68
[illegible] 2 & 3	10-15-68
[illegible] 124	11-6-68
[illegible] 3	7-22-68
[illegible] 6, 7 & 8	7-22-68

[illegible] PANEL DETAILS

[illegible] 10-11 (SOUTH)

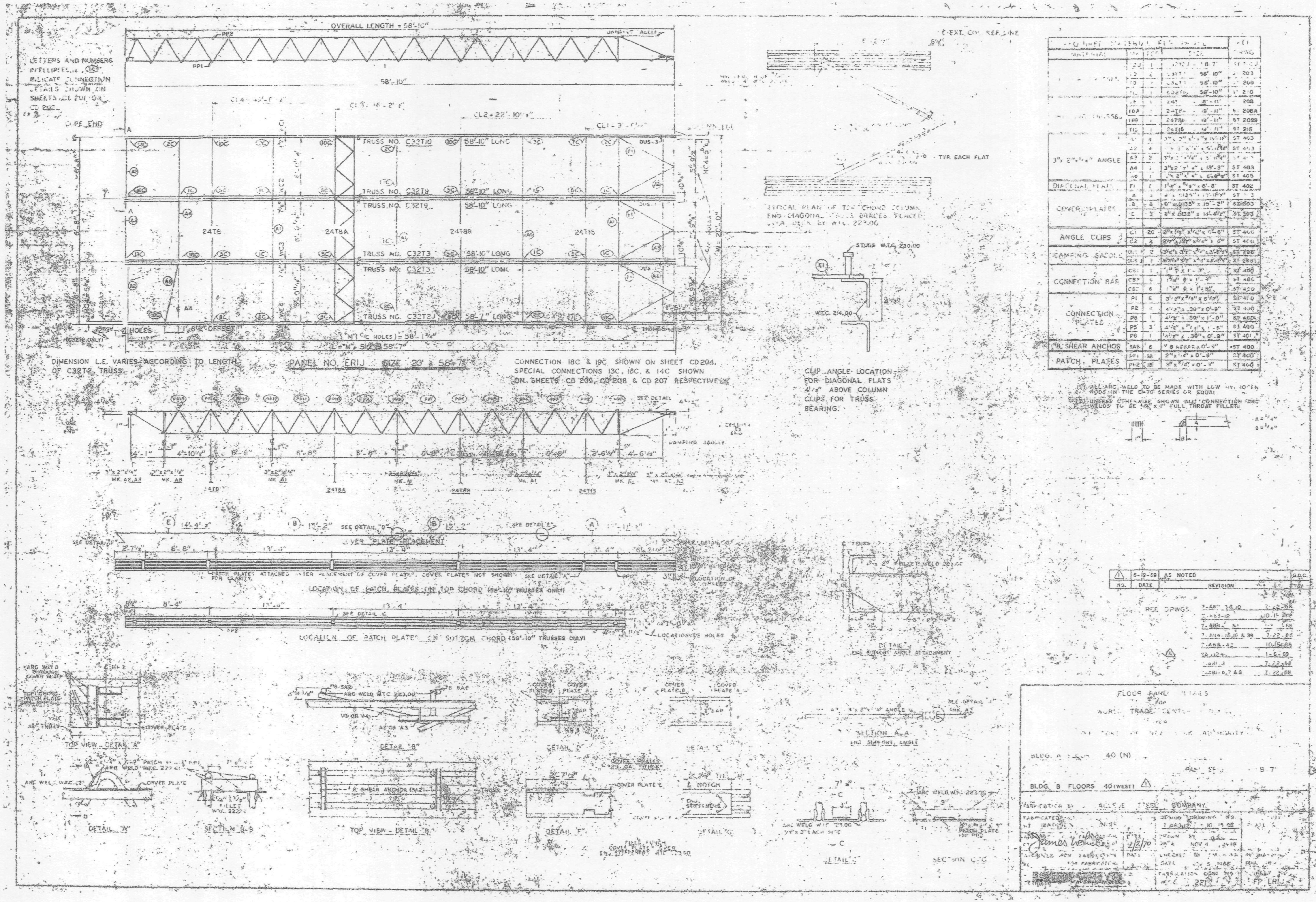
ERIE

[illegible] 12

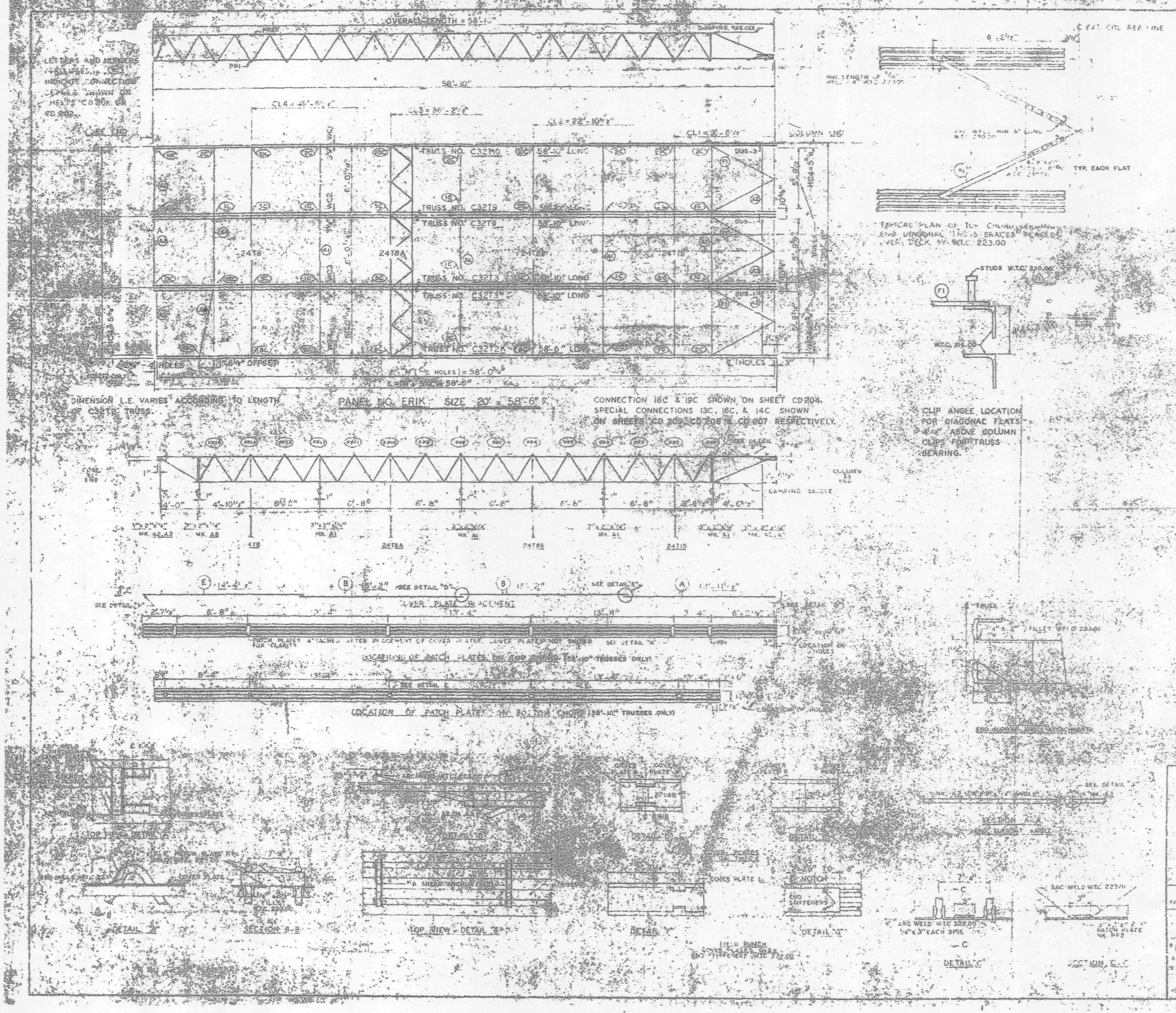
James White 1/2/70

LACLEDE STEEL CO.

ERIE



OVERALL LENGTH = 58'-10"
58'-10"
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2J 58'-7" LONG
24T8
24T8A
24T8B
24T15
PANEL NO. ERIJ SIZE 20' x 58'-7"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
CONNECTION 18C & 19C SHOWN ON SHEET CD204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
3"x2"x1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
LOCATION OF HOLES
6-19-69 AS NOTED
REVISION
REF. DRWGS.
TOP VIEW - DETAIL "A"
DETAIL "B"
SECTION A-A
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "E"
DETAIL "G"
SECTION C-C
FLOOR PANEL DETAILS
WORLD TRADE CENTER
BLDG. B FLOORS 40 (WEST)
COMPANY
FP ERIJ



MATERIAL	MK	PCS	SIZE	REF. DRAG.
[illegible] TRUSSES	[illegible]K	1	[illegible]K - 58'-6"	[illegible]K
	[illegible]3	[illegible]	[illegible] 58'-10"	ST 203
	[illegible]	[illegible]	[illegible] 58'-10"	ST 209
	[illegible]	1	C32T10 58'-10"	ST 210
[illegible] TRUSSES	T8	1	24T8 [illegible]	ST 206
	T8A	1	24T8A [illegible]	ST 208A
	T8B	1	24T8B [illegible]	ST 208B
	T15	1	24T15 [illegible]	ST 215
3"x 2"x 1/4" ANGLE	A	4	3" x 2" x 1/4" x 13'-[illegible]	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1[illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 5'-[illegible]	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	[illegible]	1 1/2" x 5/8" x 6'-8"	ST 402
	A	3	9" x .0135" x 13'-[illegible]	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	[illegible]	3	9" x .0135" x 14'-[illegible]	ST 303
ANGLE CLIPS	C1	20	[illegible] x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-[illegible]	2	[illegible]	ST 298
	DUS-3	[illegible]	3 1/2" x 3 1/2" x [illegible] x 3'-[illegible]	ST 298
CONNECTION BAR	CB1	11	1" φ x 1'-3"	ST 400
	CB2	[illegible]	[illegible] φ x 1'-3"	ST 400
	CB3	6	1 5/8" φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 5/8" x [illegible]	ST 400
	P2	16	[illegible] x .39" x 0'-[illegible]	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	
1	8-19-69	AS NOTED	[illegible]

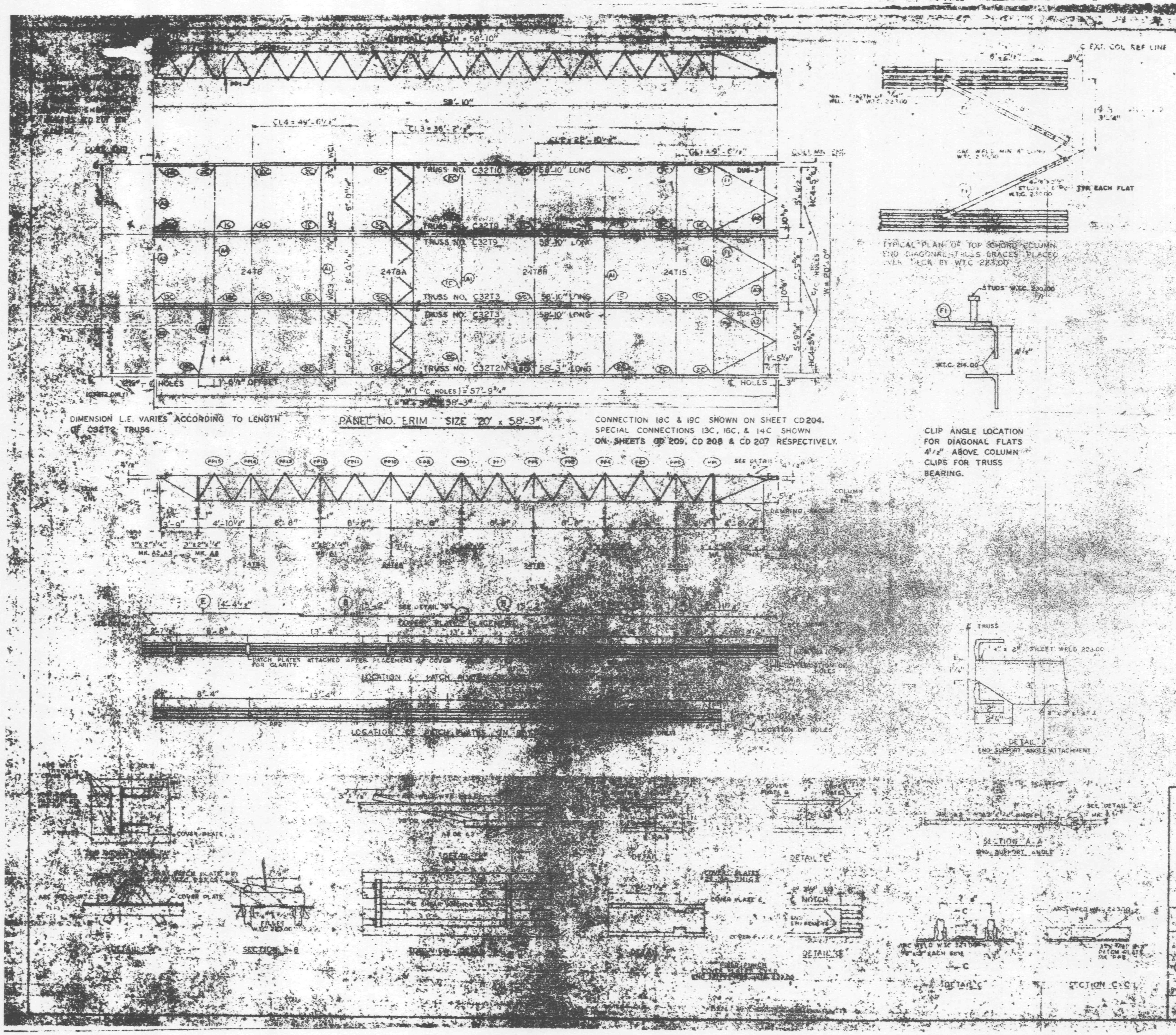
REF. DWGS.

7-AB2-3,8,10	7-22-68
7-AB3-12	10-15-68
7-AB4-11	1-3-68
7-AB4-15,16 & 39	7-22-68
7-AB4-4B & 3	10-15-68
[illegible]124	1-6-69
7-AB1-3	7-22-68
7-AB1-6,7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 45-46 (N)
PANEL ERIK 20' x 58'-6"
BLDG. B FLOORS 45-46 (WEST) ⚠1

FABRICATION BY [illegible] STEEL COMPANY
MADISON, ILLINOIS
James White 1/2/70
DESIGN DRAWING NO. 7-AB3-12 10-15-68
DRAWN BY [illegible] DATE NOV 4 1968
CHECKED BY [illegible] DATE NOV 5 1968
FABRICATION CONT. NO. W.T.C. 221
LACLEDE STEEL CO.
DETAILED BY [illegible]
ERIK



REQUIRED MATERIAL PER PANEL				REF. DWGS.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T2M	1	C32T2M - 58-3	ST 202M
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T6	1	24T6 - 19'-11"	ST 206
	T6A	1	24T6A - 19'-11"	ST 206A
	T6B		24T6B - 19'-11"	ST 206B
	T15		24T15 - 19'-11"	ST 215
3" x 2" x ¼" ANGLE		4	3" x 2" x ¼" x [illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	2	3" x 2" x ¼" x 5'-[illegible]	ST 403
	A4	1	3" x 2" x ¼" x 13'-3"	ST 403
	A8	1	3" x 2" x ¼" x [illegible]	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 8'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2½" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅛"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅛"	ST 298
CONNECTION BAR	CB	1	1" ⌀ x 1'-3"	ST 400
	CB2	5	1⅝" ⌀ x 1'-3"	ST 400
	CB3	6	1⅝" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401
8 SHEAR ANCHOR	SA2	6	8 HEAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-9"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	G.D.C.
1	6-19-69	AS NOTED	

1 REF DWGS

7-A82-3,6,10	7-22-68
7-A83-12	10-15-68
7-A84-[illegible]	7-22-68
7-A84-15,16 & 39	7-22-68
7-A84-42 & 3	10-15-68
S4-124	1-6-69
7-A01-3	7-22-68
7-A81-6,7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 72-73 (N)

PANEL ERIM 20' x 58'-3"

BLDG. B FLOORS 72-73 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-A83-12 10-15-68

DRAWN BY — DATE NOV 4 1968

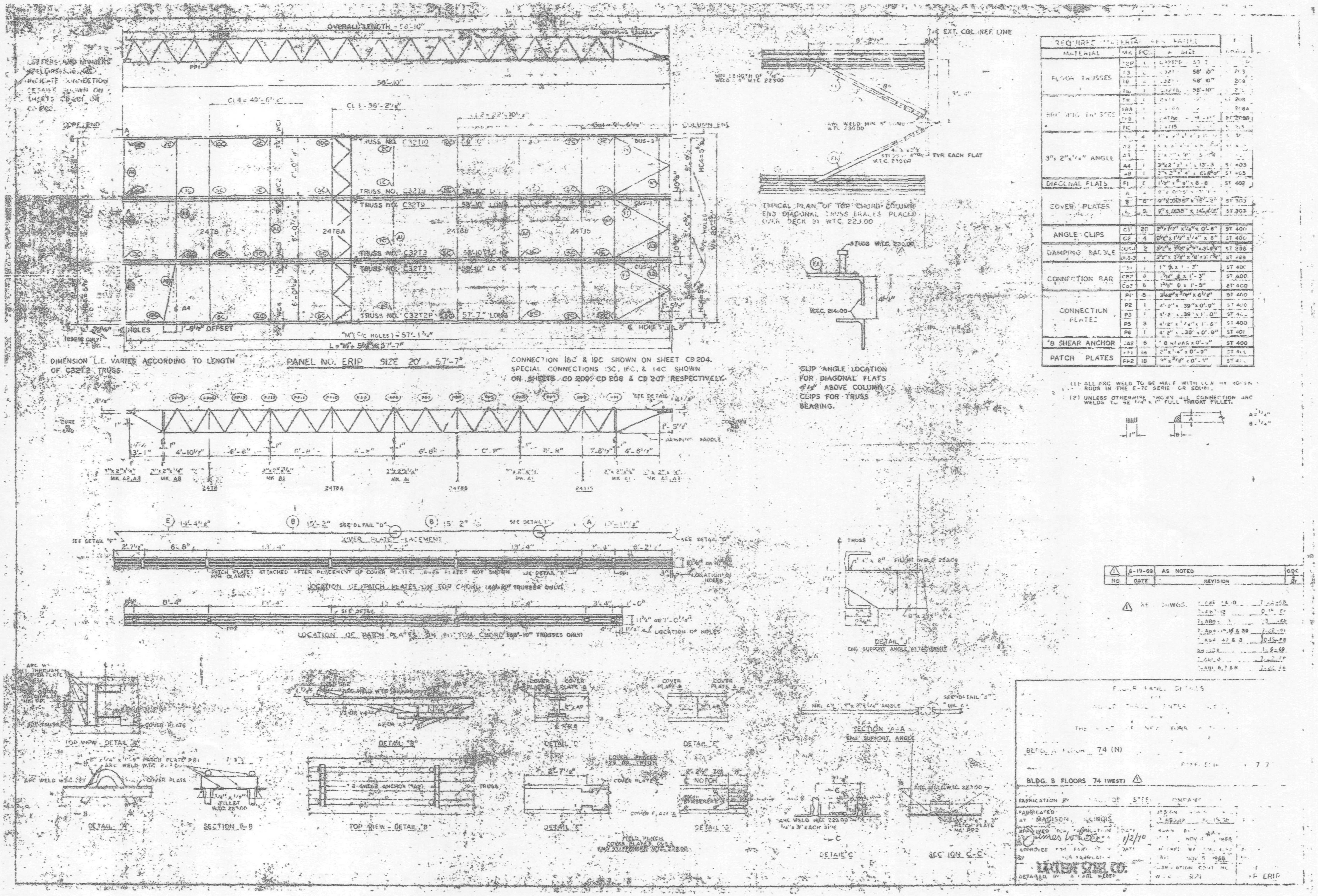
CHECKED BY T.M.CHURN DATE NOV 5 1968

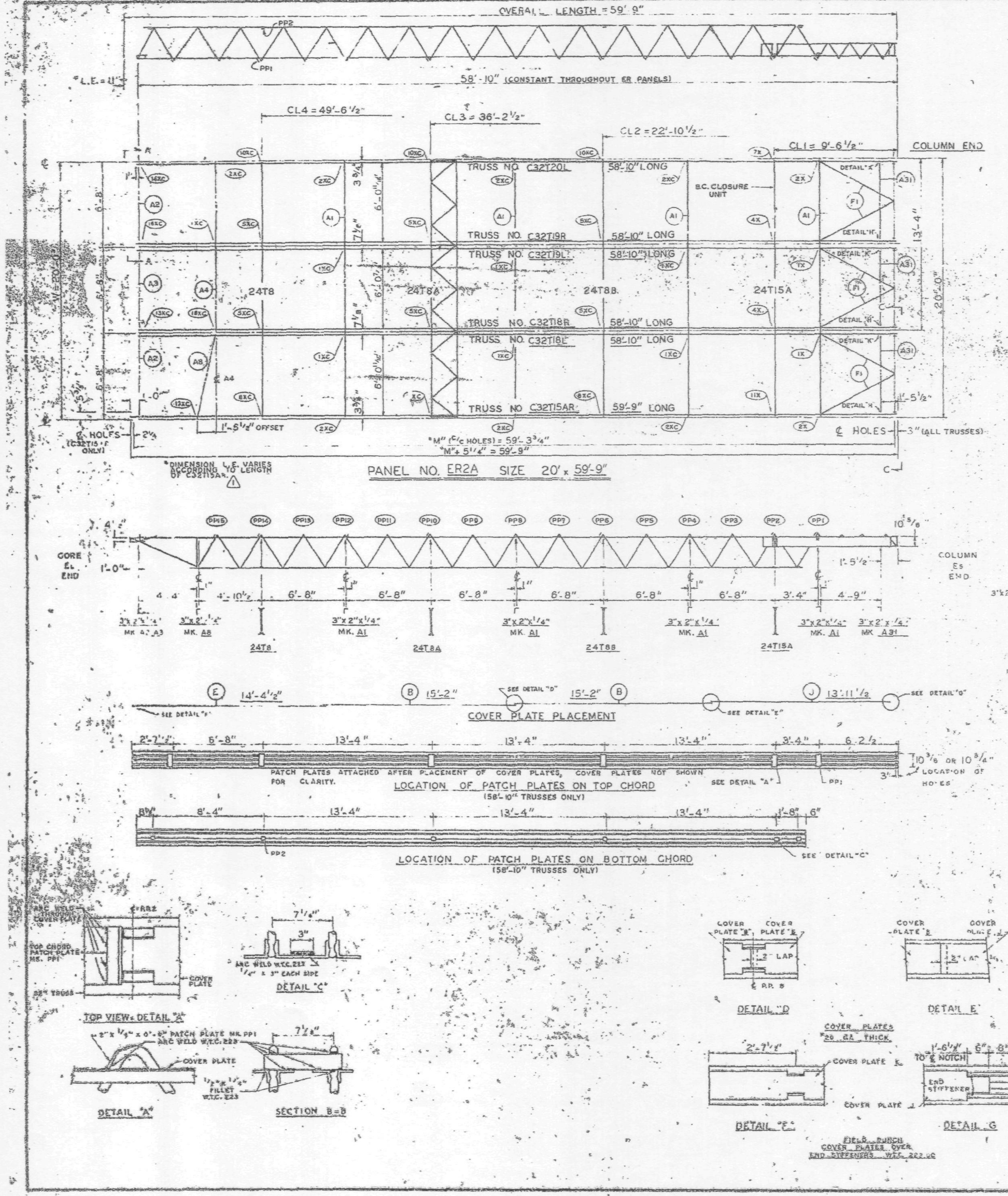
APPROVED FOR FABRICATION — DATE 12/30

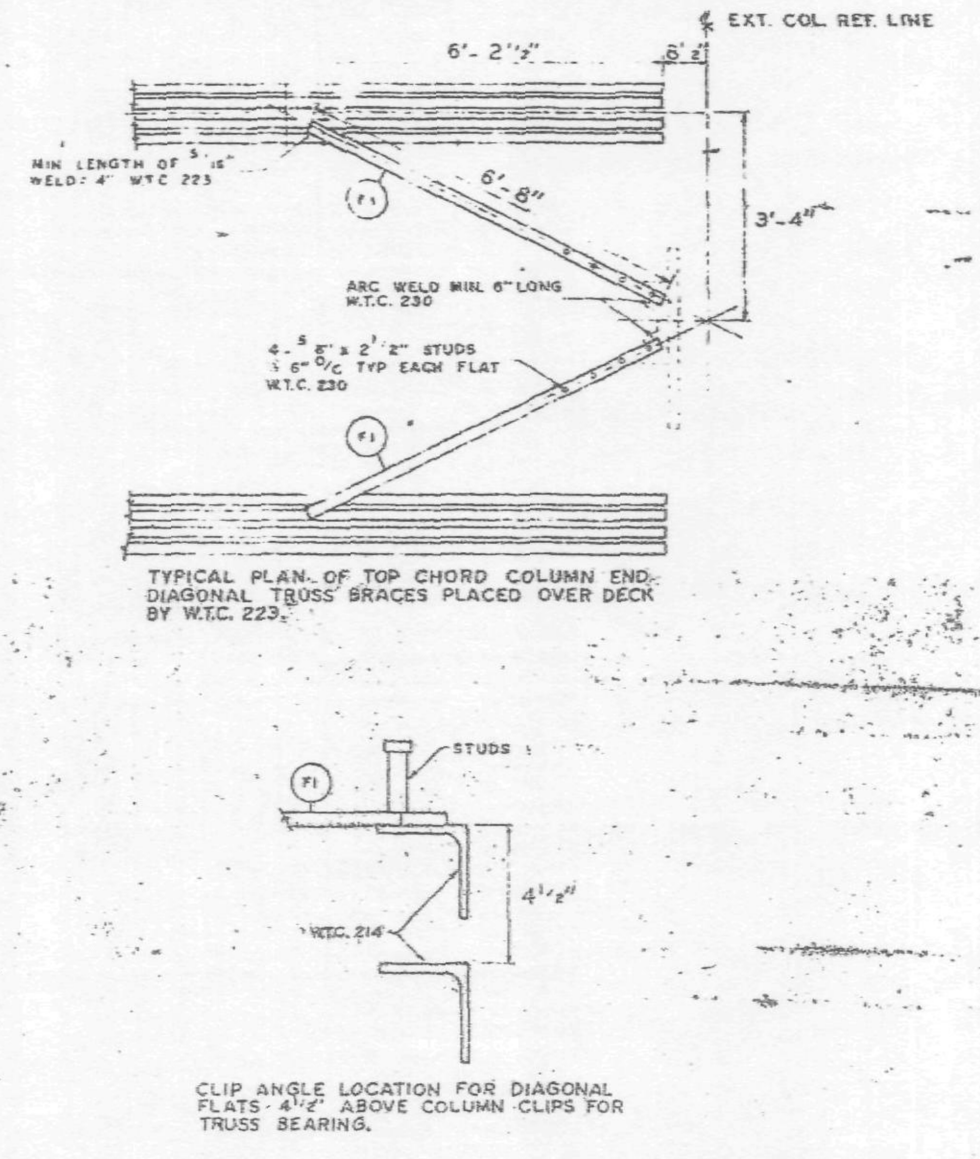
LACLEDE STEEL CO.

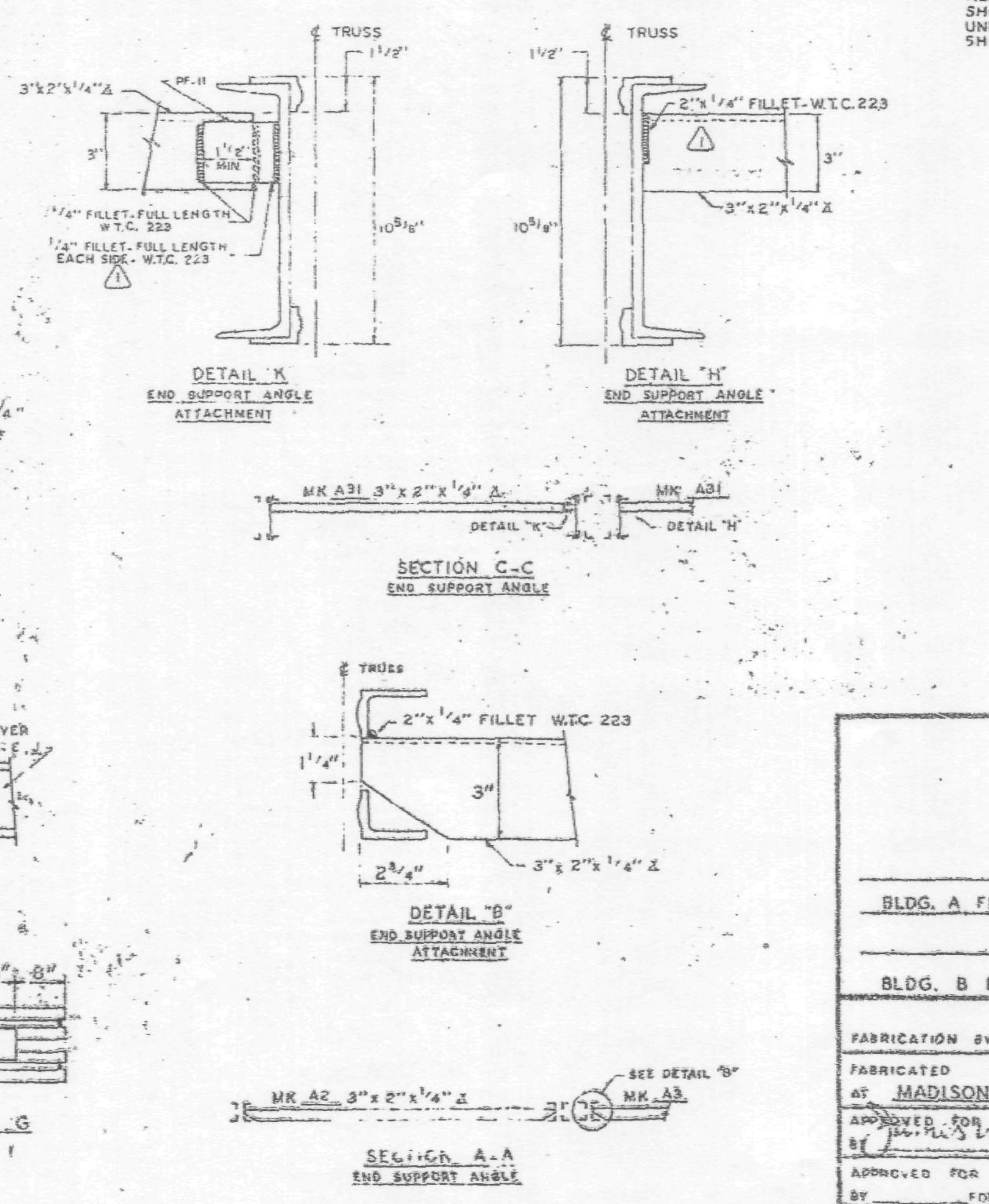
FABRICATION CONT. NO. W.T.C. 22[illegible]

SHEET NO. ERIM


OVERALL LENGTH = 58'-10"
DAMPING SADDLE
TRUSS NO. C32T10
TRUSS NO. C32T9
TRUSS NO. C32T3
TRUSS NO. C32T2P
57'-7" LONG
24T8
24T8A
24T8B
24T15
COLUMN END
HOLES
OFFSET
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIP SIZE 20' x 57'-7"
CONNECTION 18C & 19C SHOWN ON SHEET CD 204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN
ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL SCHEDULE
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
7/8 SHEAR ANCHOR
PATCH PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES IN BOTTOM CHORD (58'-10" TRUSSES ONLY)
LOCATION OF HOLES
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
6-19-69 AS NOTED
NO. DATE REVISION
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
BLDG. A FLOOR 74 (N)
BLDG. B FLOORS 74 (WEST)
FABRICATED AT MADISON, ILLINOIS
1/2/70
NOV 5 1968
DETAILED BY A. CARL WEBER
ERIP







REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG
FLOOR TRUSSES	T15AR	1	C32T15AR x 58'-9"	ST 215AL
	T18L / T18R	1 / 1	C32T18L x 58'-10" / C32T18R x 58'-10"	ST [illegible]8L
	T19L / T19R	1 / 1	C32T19L x 58'-10" / C32T19R x 58'-10"	ST [illegible]9L
	T20L	[illegible]	C32T20L x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	ST 208
	T8A	1	24T8A x 19'-11"	ST 208A
	T8B	1	24T8B x 19'-11"	ST 208B
	T15A	1	24T15A x 19'-11"	ST 215A
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4" x 9 [illegible]	ST 403
	A2	2	3"x 2"x 1/4" x 5'-[illegible]	ST 403
	A3		3"x 2"x 1/4" x 5'-11[illegible]	ST 403
	A4	1	3"x 2"x 1/4" x [illegible]	ST 403
	A8	1	3"x 2"x 1/4" x 6'-8[illegible]	ST 40[illegible]
	A31	3	3"x 2"x 1/4" x [illegible]	ST 41C
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	[illegible]	1 1/4" □ x 6'-6 1/2"	ST 215A
ANGLE CLIPS	C1	20	2"x 1 1/2"x .25" x 6"	ST 400
	C2	4	2 1/2"x 1 1/2"x .25" x 6"	ST 400
# 8 SHEAR ANCHOR	SA2	0	# 8 REBAR x 0'-0"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/8" Ø x 1'-3	ST 400
	CB3	6	1 3/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x [illegible] x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 40[illegible]
	P5	3	4 1/2" x [illegible] 6"	ST 4[illegible]
	P6	1	4 1/2" x .39" x 0'-9	ST 461
	P9	6	3" x [illegible]	ST 40[illegible]

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION
2	7-1-69	AS NOTED
1	2-4-69	AS NOTED

REF. DRWG.

7-AB3-[illegible]	10-4-68
7-AB3-P4	10-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL [illegible] - 20' x 59'-9

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-[illegible]

APPROVED FOR FABRICATION BY [signature] FOR PONYA DATE [illegible]

DRAWN BY [initials] DATE DEC. 5, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

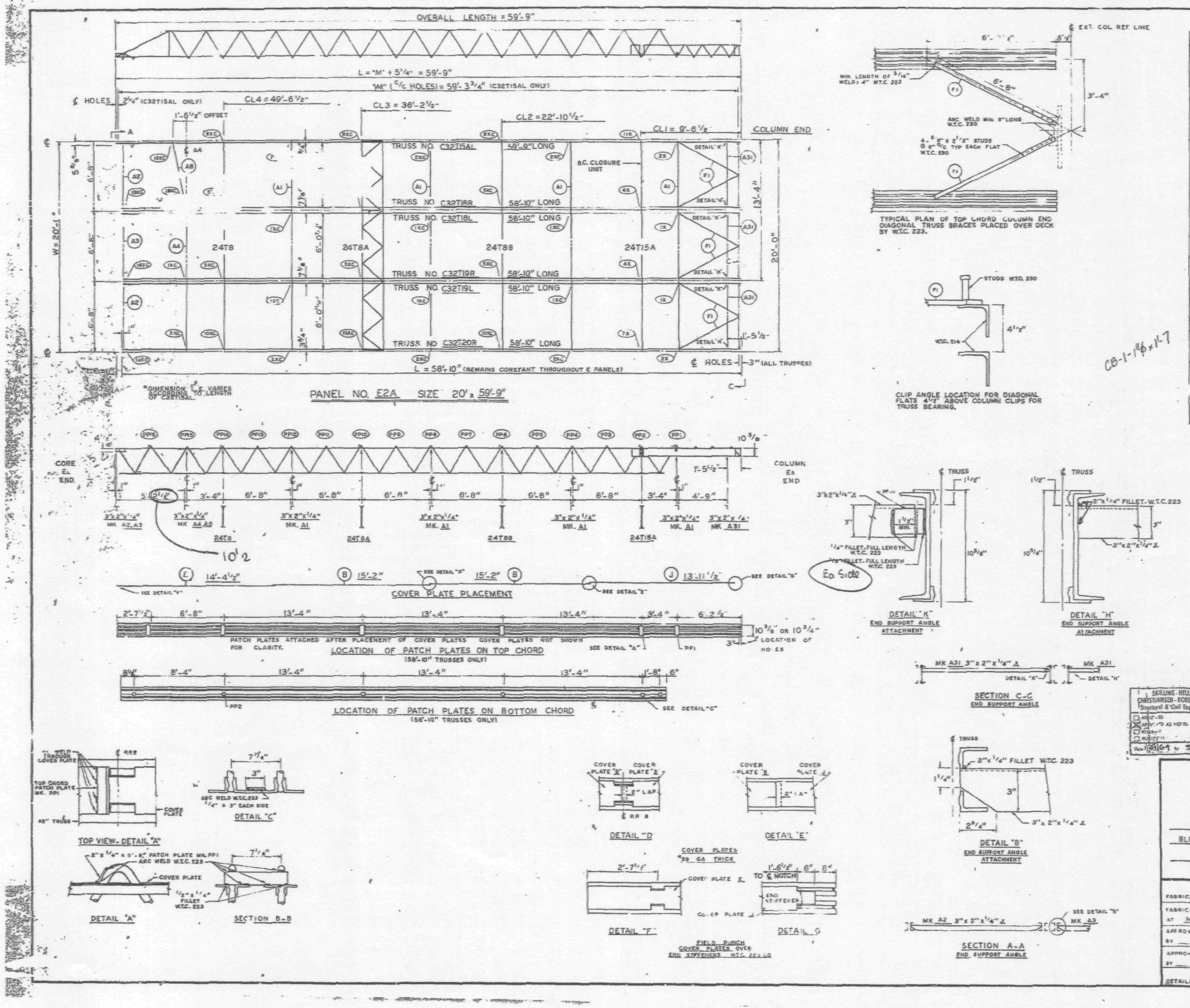
CHECKED BY T.M. CIRUS DATE DEC. 5, 1968

IN CHARGE OF PROD. DEV.

DETAILED LACLEDE STEEL CO.

FABRICATION CONT NO W.T.C. 221

SHEET NO FP ER2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T15AL	1	C32T15AL x 59'-9"	ST 215AL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3"x 2"x 1/4" ANGLE	A1	4	3"x2"x1/4"x 19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 3/4"	ST 403
	A4	1	3"x2"x1/4"x13'-3"	ST 403
	A8	1	3"x2"x1/4"x6'-6 3/8"	ST 405
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF 11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	5	1 1/2" x 5/8" x 6'-5"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	E	3	9"x .0135" x 14'-4 1/2"	ST 303
	J	3	9"x .0135" x13'-11 1/2"	S [illegible] 04
B.C. CLOSURE UNIT	B.C.	1	1 1/4" ☐ x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2"x1 1/2"x.25"x 6"	ST 400
	C2	4	2 1/2"x1 1/2"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2(1)	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/16" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie.. (IX).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

CB-1-1 1/8 x 1'-7

NO.	DATE	REVISION	BY

REE DRWG.		
	7-AB3-32	10-4-68
	7-AB3-24	8-15-68
	7-AB1-14, 17, 18 & 19	10-4-68
	7-AB2-3	7-22-68
	7-AB2-14	10-4-68
	SA-124	10-11-68

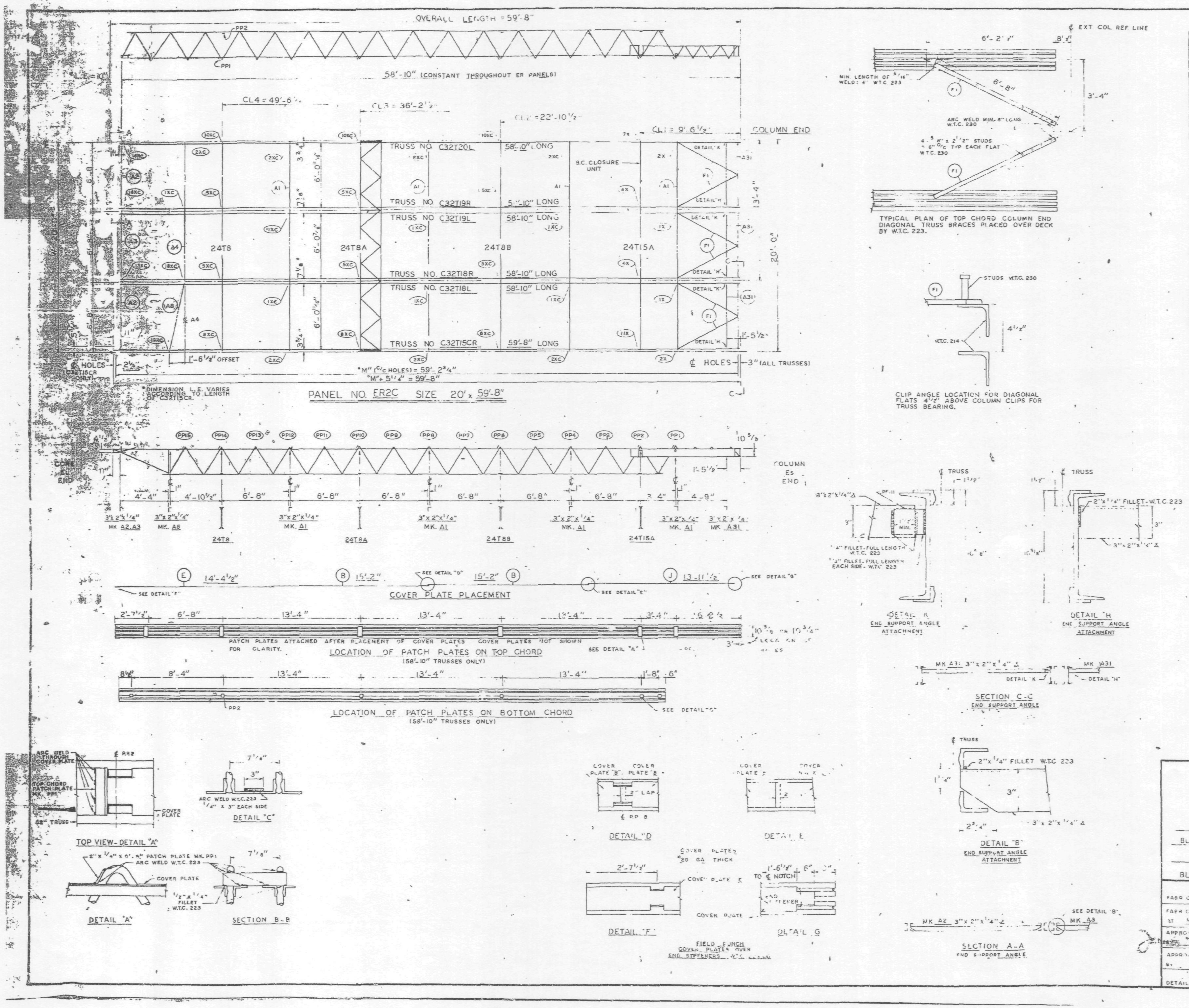
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ REVISE
☐ REJECTED
Date 1/31/69 By SK

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL E2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-32 PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE ______
DRAWN BY [illegible] DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY ______ FOR FABRICA[illegible] DATE ______
CHECKED BY T.N. CHURA DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP E2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T15CR	1	C32T15CR x [illegible]-8"	ST 215CL
	T18L / T18R	[illegible]	C32T18L x [illegible] / C32T18R x [illegible]	ST 218L
	T19L / T19R	[illegible]	C32T19L x 58'-10" / C32T19R x 58'-10"	ST 219L
	T20L	[illegible]	C32T20L x [illegible]	ST 220L
BRIDGING TRUSSES	T8	[illegible]	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3"x 2"x ¼" ANGLE	A1	4	3"x2"x¼"x [illegible]	ST 403
	A2	[illegible]	3"x2"x¼"x [illegible]	ST 403
	A3	[illegible]	3"x2"x¼"x [illegible]	ST 403
	A4	[illegible]	3"x2"x¼"x [illegible]	ST 403
	A8	[illegible]	3"x2"x¼"x [illegible]-8⅝"	ST 405
	A31	3	3"x2"x¼"x [illegible]-8¼"	ST 410
CLOSURE PLATES	PF-11	3	3"x [illegible]	ST 412
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135"x 15'-2"	ST 303
	E	3	9"x .0135" x 14'-4½"	ST 303
	J	3	9"x .0135"x 13'-11½"	ST 304
B. C. CLOSURE UNIT	B.C.	1	1'4" ◻ x 6'-6½"	BT 215A
ANGLE CLIPS	C1	20	2"x 1½"x .25"x 6"	ST 400
	C2	4	2½"x 1½"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1³⁄₁₆" Ø x 1'-3"	ST 400
	CB3	6	1⅝" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401
	P9	6	3" x ½" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x¼" FULL THROAT FILLET

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-33	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL ER2C - 20' x 59'-8"

BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-33 PLATE

APPROVED FOR FABRICATION [illegible] FOR P.N.Y.A. DATE 6/6/69

DRAWN BY [illegible] DATE APRIL 28, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

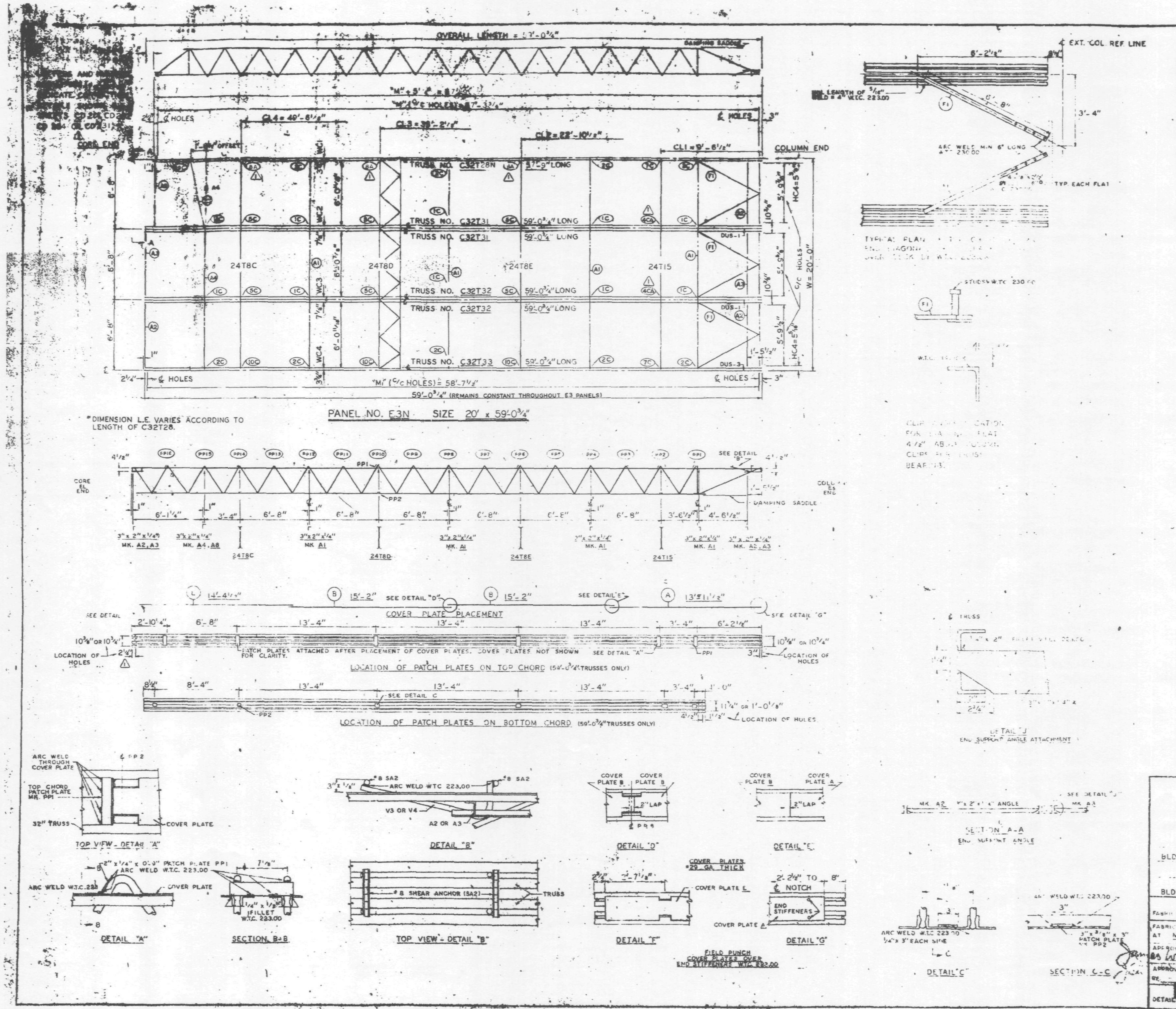
CHECKED BY T.M. CHURA DATE APRIL 28, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP ER2C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28N	1	C32T28N - 57'-9"	ST 228N
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	ST 208C
	T8D	1	24T8D - 19'-11"	ST 208D
	T8E	1	24T8E - 19'-11"	ST 208E
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A4	1	3" x 2" x ¼" x [illegible] 3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-[illegible]"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x [illegible]-9"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4⅛"	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	[illegible]	[illegible] x 1'-3"	ST 400
	CB2	[illegible]	1³⁄₁₆" ⌀ x 1'-3"	ST 400
	CB3	6	1⅝" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	[illegible] x 2"	ST 400
	P2	1	[illegible] x 0'-9"	ST 400
	P3	1	[illegible] x 1'-0"	ST 400
	P5	[illegible]	[illegible] x 1'-6"	ST 400
	P6	1	[illegible] x 0'-3"	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	16	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 1'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	G.D.C. BY
1	4-24-69	AS NOTED	

[illegible]-10	7-22-68
[illegible] 49	1-6-69
[illegible]	10-15-68
[illegible]4 15 & 16	7-22-68
[illegible]AB4 42	10-15-68
[illegible] 124	1-6-69
[illegible]AB1-25 & 28	1-6-69
[illegible]AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

[illegible] PANEL DETAILS

[illegible] N.Y.C.

[illegible] AUTHORITY

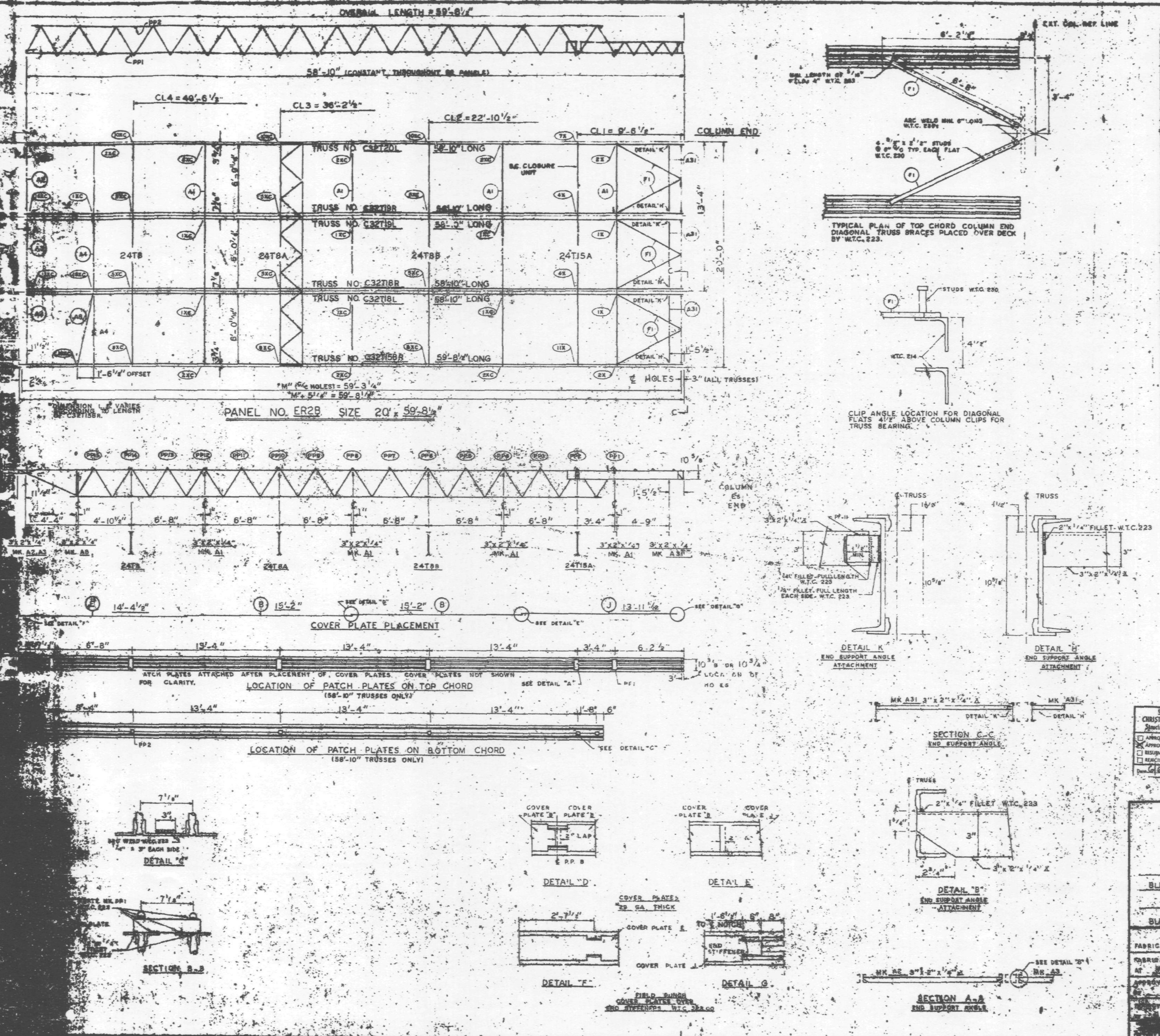
BLDG. A FLOORS 44 (NORTH ONLY)

PANEL E3N - 20' x 59'-0¾"

BLDG. B FLOORS 44 (WEST & EAST) ⚠1

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-49	PLATE
APPROVED FOR FABRICATION FOR P. N. Y. A.	6/12/69	DRAWN BY gdc DATE APRIL 2, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 2, 1969	IN CHARGE OF PROD. DEPT.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-E3N



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15BR	1	C32T15BR x 59'-8 1/2"	ST [illegible]
	[illegible]	1	[illegible]	ST [illegible]
	[illegible]	1	[illegible]	ST [illegible]
	[illegible]	1	[illegible]	ST [illegible]
	[illegible]	1	[illegible]	ST [illegible]
	T20L	1	C32T20L x 58'-10"	ST [illegible]
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	ST [illegible]
	T8A	1	24T8A x 19'-11"	ST [illegible]
	T8B	1	24T8B x 19'-11"	ST [illegible]
	T15A	1	24T15A x 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 405
	A2	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 405
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 405
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 405
	A8	1	3" x 2" x 1/4" x 8'-6 3/8"	ST 405
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" □ x 6'-6 1/2"	ST 215A
ANGLE CLIPS	C1	20	2" x 1 1/2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/8" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-8"	ST 408
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 228.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

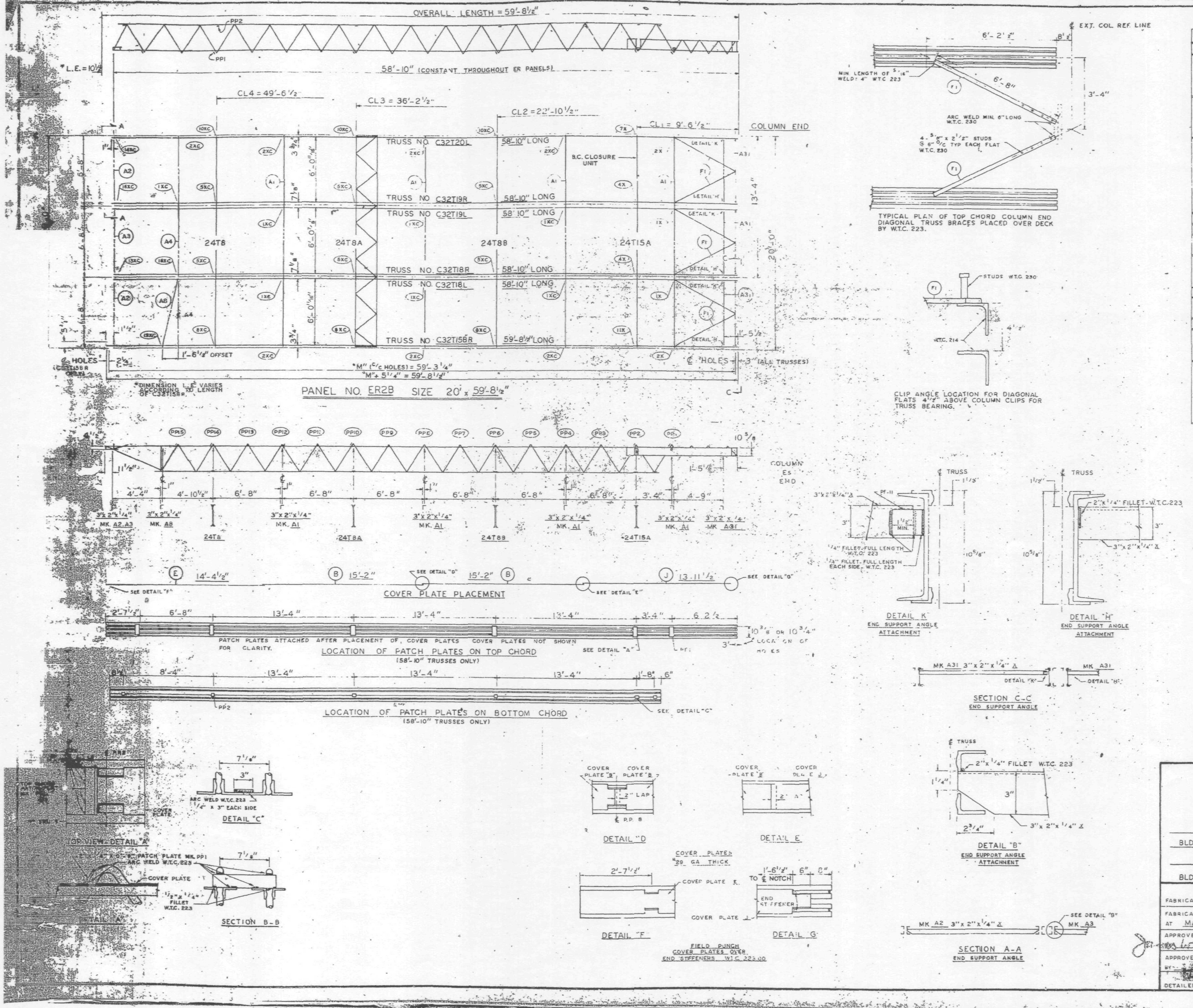
SKILLING - HELLE CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 6/6/69 By SK

REF. DRWG.
7-AB2-33
7-AB2-24
7-AB1-14, 17, 18 & 19
7-AB2-31
7-AB2-14
SA-124

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.
FOR
THE PORT OF NEW YORK AUTH[illegible]

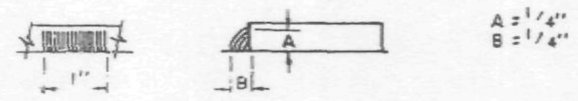
BLDG. A FLOORS 92 (NORTH)
PANEL [illegible] 20' x 59'-8 1/2"
BLDG. B FLOORS 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION
DATE
DRAWN BY
DATE APRIL 28, 1969
CHECKED BY
DATE APRIL 28, 1967
DESIGN DRAWING
ST. G



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T15BR	1	C32T15BR x 59'-8½"	ST 215BL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20L	1	C32T20L x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3"x 2"x ¼" ANGLE	A1	4	3"x2"x¼"x 19'-11"	ST 403
	A2	2	3"x2"x¼"x5'-11 9/16"	ST 403
	A3	1	3"x2"x¼"x5'-11¾"	ST 403
	A4	1	3"x2"x¼"x13'-3"	ST 403
	A8	1	3"x2"x¼"x6'-8⅝"	ST 405
	A31	3	3"x2"x¼"x5'-8⅛"	ST 410
CLOSURE PLATES	PF-11	3	3"x¼" x 0'-2⅜"	ST 412
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x¼" x 0'-9"	ST 400
	PP2	18	3"x⅜" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	E	3	9"x .0135" x 14'-4½"	ST 303
	J	3	9"x .0135" x 13'-11½"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1¼" □ x 6'-6½"	BT 215A
ANGLE CLIPS	C1	20	2"x1½"x.25"x 6"	ST 400
	C2	4	2½"x1½"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" ø x 1'-3"	ST 400
	CB2	6	1⅜" ø x 1'-3"	ST 400
	CB3	6	1⅝" ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401
	P9	6	3" x ½" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (IX).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x¼" FULL THROAT FILLET.



NO.	DATE	REVISION		BY
1	6-13-69	AS NOTED		G.D.C.

REF DRWG.

7-AB3-33	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

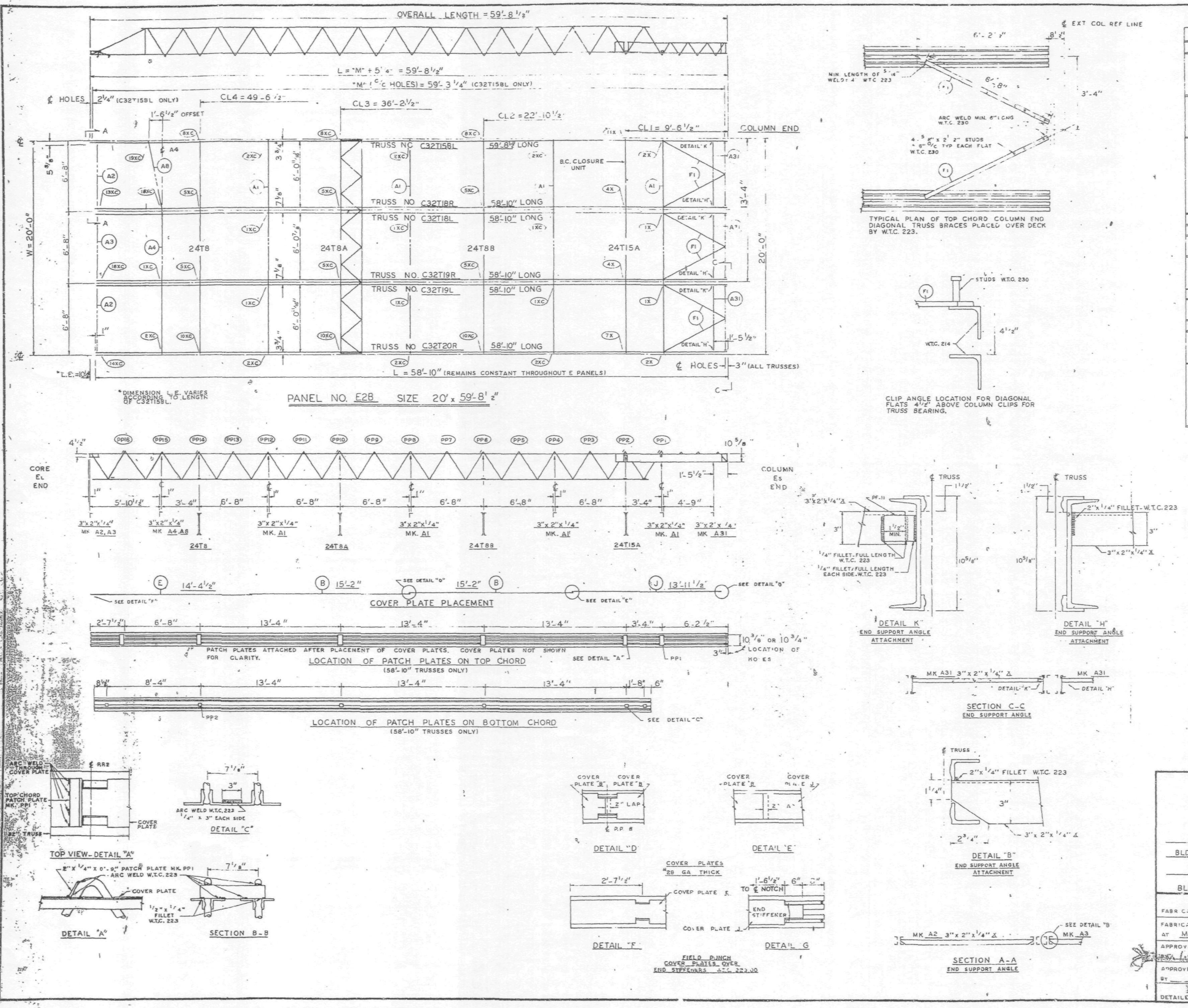
BLDG. A FLOORS 92 (NORTH)

PANEL ER2B - 20' x 59'-8½"

BLDG. B FLOORS 92 (WEST) (1)

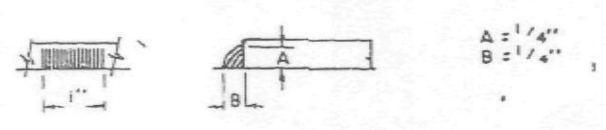
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-33	PLATE
APPROVED FOR FABRICATION FOR PONYA	DATE 7/28/69	DRAWN BY [signature] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY (FOR FABRICATOR)	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP ER2B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T158L	1	C32T158L x 59'-8 1/2"	ST 2158L
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 9'-[illegible]	ST 403
	A2	2	3" x 2" x 1/4" x 5'-[illegible] 9/16"	ST 403
	A3	[illegible]	3" x 2" x 1/4" x 5'-[illegible] 3/4"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 8'-8 5/8"	ST 405
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" D x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2" x 1 1/2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/16" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 40[illegible]
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

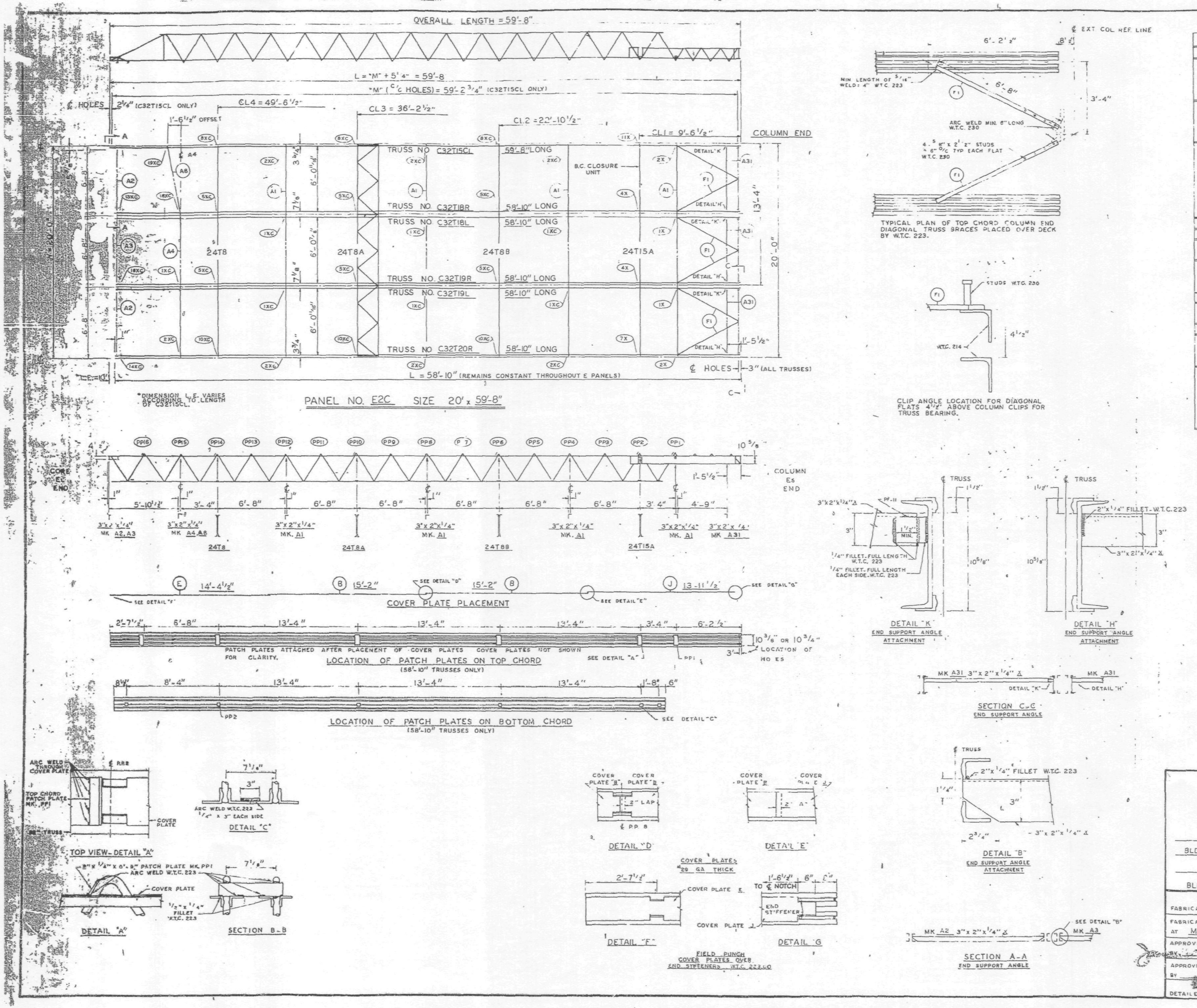
REF DRWG.

7-AB3-32	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)
PANEL E28 - 20' x 59'-8 1/2"
BLDG. B FLOORS 92 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-32 PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY [signature] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP E28



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15CL	1	C32T15CL x 59'-8"	ST 215CL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3"x 2"x 1/4" ANGLE	A1	4	3"x2"x1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4 x5'-11 9/16"	ST 403
	A3		3"x 2"x 1/4 x5'-11 3/4"	ST 403
	A4	1	3"x 2"x 1/4 x 3'-3"	ST 403
	A8	1	3"x 2"x 1/4 x 6'-8 5/8"	ST 405
	A31	3	3"x 2"x 1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-1	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	E	3	9"x .0135" x 14'-4 1/2"	ST 303
	J	3	9"x .0135" x13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" ◻ x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2"x 1 1/2"x.25"x 6"	ST 400
	C2	4	2 1/2"x 1 1/2"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" ø x 1'-3"	ST 400
	CB2	6	1 3/16" ø x 1'-3"	ST 400
	CB3	6	1 5/8" ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF DRWG.		
	7-AB3-32	10-4-68
	7-AB3-24	8-15-68
	7-AB1-14, 17, 18 & 19	10-4-68
	7-AB2-3	7-22-68
	7-AB2-14	10-4-68
	SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL E2C - 20' x 59'-8"

BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATE AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-32 PLATE

APPROVED FOR FABRICATION BY FOR PONYA DATE 6/6/69

DRAWN BY LWR DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

CHECKED BY T.M. CHURA DATE APRIL 28, 1969

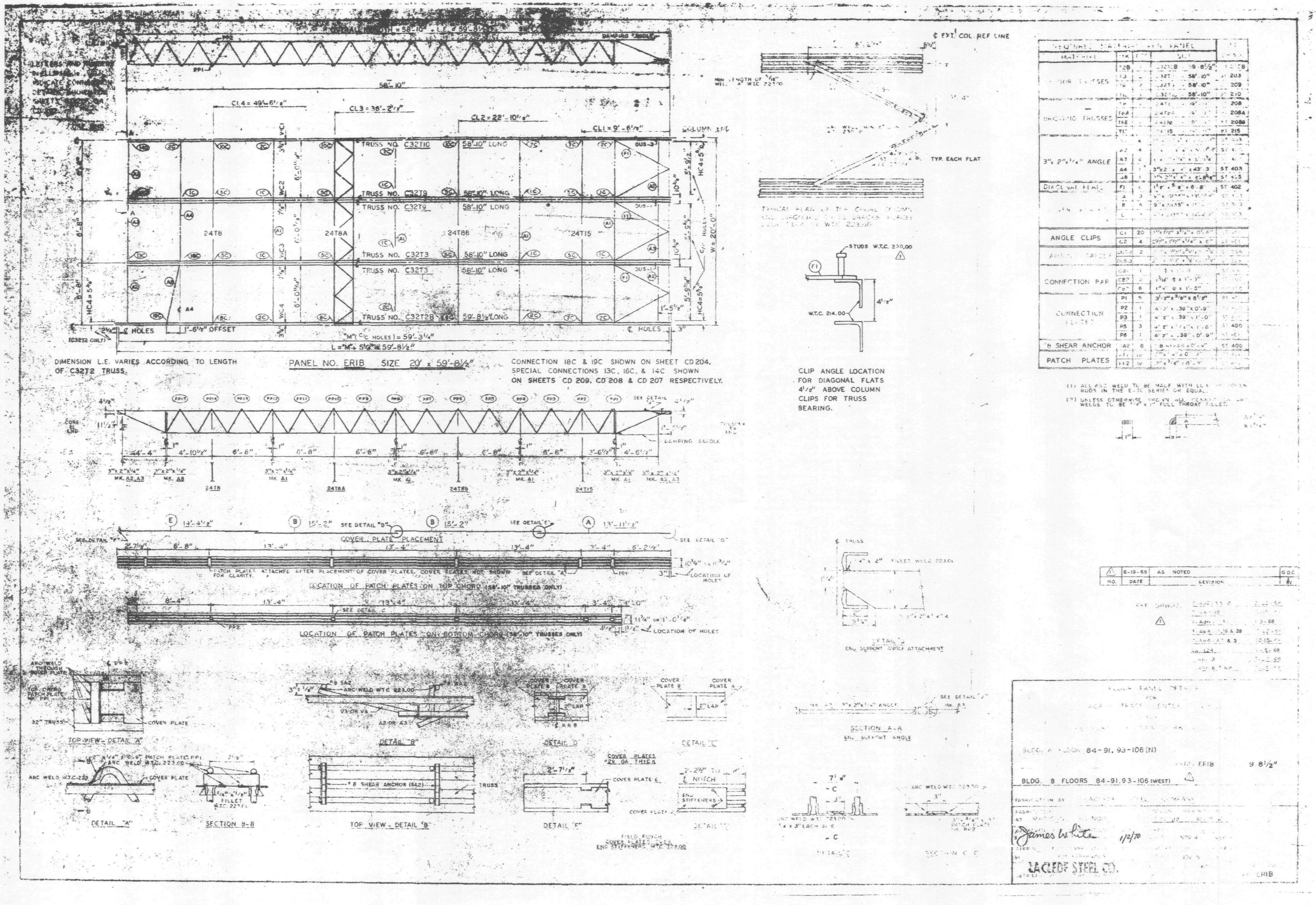
IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO.

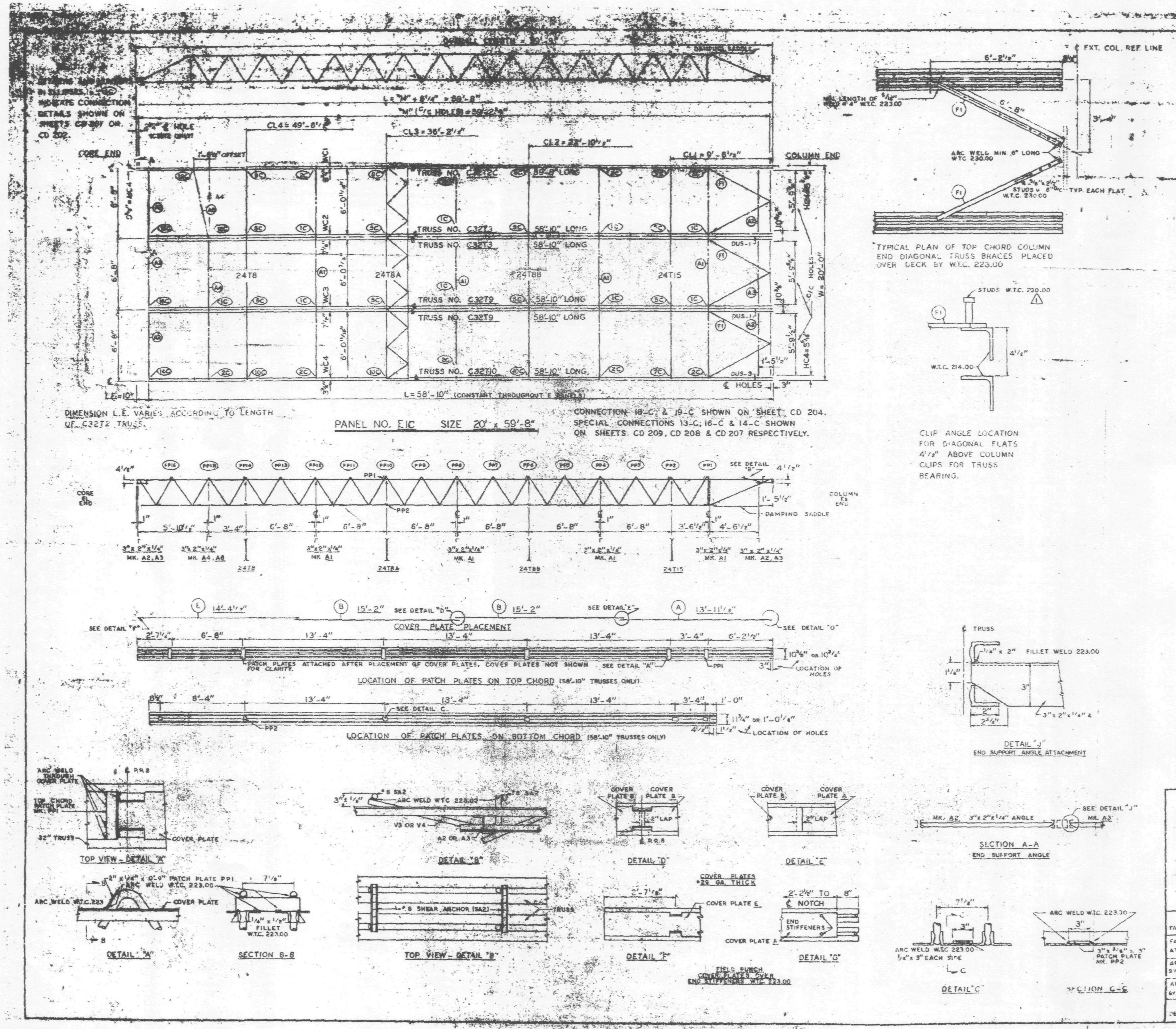
DETAILED BY A.C. WEBER

FABRICATION CONT NO W T C 221

SHEET NO FP E2C



PANEL NO. ERIB SIZE 20' x 59'-8½"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
CONNECTION 18C & 19C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2B 59'-8½" LONG
CL4 = 49'-6½"
CL3 = 38'-2⅞"
CL2 = 22'-10⅞"
CL1 = 9'-6⅞"
58'-10"
"M" (C/C HOLES) = 59'-3¼"
L = "M" + 5½" = 59'-8½"
W = 20'-0"
1'-6½" OFFSET
℄ HOLES
(C32T2 ONLY)
COLUMN LINE
24T8
24T8A
24T8B
24T15
DAMPING SADDLE
MK. A2, A3
MK. A8
MK. A1
COVER PLATE PLACEMENT
SEE DETAIL "A"
SEE DETAIL "D"
SEE DETAIL "E"
SEE DETAIL "F"
SEE DETAIL "G"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
LOCATION OF HOLES
TYPICAL PLAN OF TOP CHORD OF TRUSS AND DIAGONAL FLATS
TYP. EACH FLAT
℄ EXT. COL. REF LINE
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
3"x 2"x ¼" ANGLE
DIAGONAL FLATS
ANGLE CLIPS
CONNECTION PAR
CONNECTION PLATES
#8 SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.
DETAIL "G"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION B-B
DETAIL "B"
TOP VIEW - DETAIL "B"
#8 SHEAR ANCHOR (SA2)
DETAIL "D"
DETAIL "E"
DETAIL "F"
COVER PLATES #20 GA. THICK
ARC WELD W.T.C. 223.00
COVER PLATE
COVER PLATE B
COVER PLATE A
2" LAP
END STIFFENERS
NOTCH
FIELD PUNCH COVER PLATES & END STIFFENERS W.T.C. 223.00
SECTION C-C
6-19-69 AS NOTED
NO. DATE REVISION
FLOOR PANEL DETAILS
BLDG. A FLOOR 84-91, 93-106 (N)
BLDG. B FLOORS 84-91, 93-106 (WEST)
ERIB
James White 1/2/70
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2C	1	C32T2C - 59'-8"	ST 202C
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11"	ST 403
	A4	1	3" x 2" x 1/4" x 1'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-0 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	3" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/4" x 3'-5 3/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-[illegible]	ST 298
CONNECTION BAR	CB1	1	1" ⌀ x 1'-3"	ST 400
	CB2	6	1 3/8" ⌀ x 1'-3"	ST 400
	CB7	6	1 5/8" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	[illegible]	5	3 1/2" x 3/8" x [illegible]	ST 4[illegible]
	P2	1	4 1/2" x .33" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	PF	1	4 1/2" x [illegible] x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION
1	6-18-69	AS NOTED

REF. DRWGS.

7-AB4-15 & 16, 39	[illegible]
7-AB4-42 & 3	10-15-68
SA-124	[illegible]-6-69
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 50-58, 60-66, 68-74, 79-91, 93-10[illegible] (S)

PANEL E1C - [illegible] 59'-8"

BLDG. B FLOORS 50-58, 60-74, 79-91, 93-106 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-11

PLATE

APPROVED FOR FABRICATION BY James [illegible] — DATE 1/2/70

DRAWN BY [illegible] DATE NOV. 1, 1968

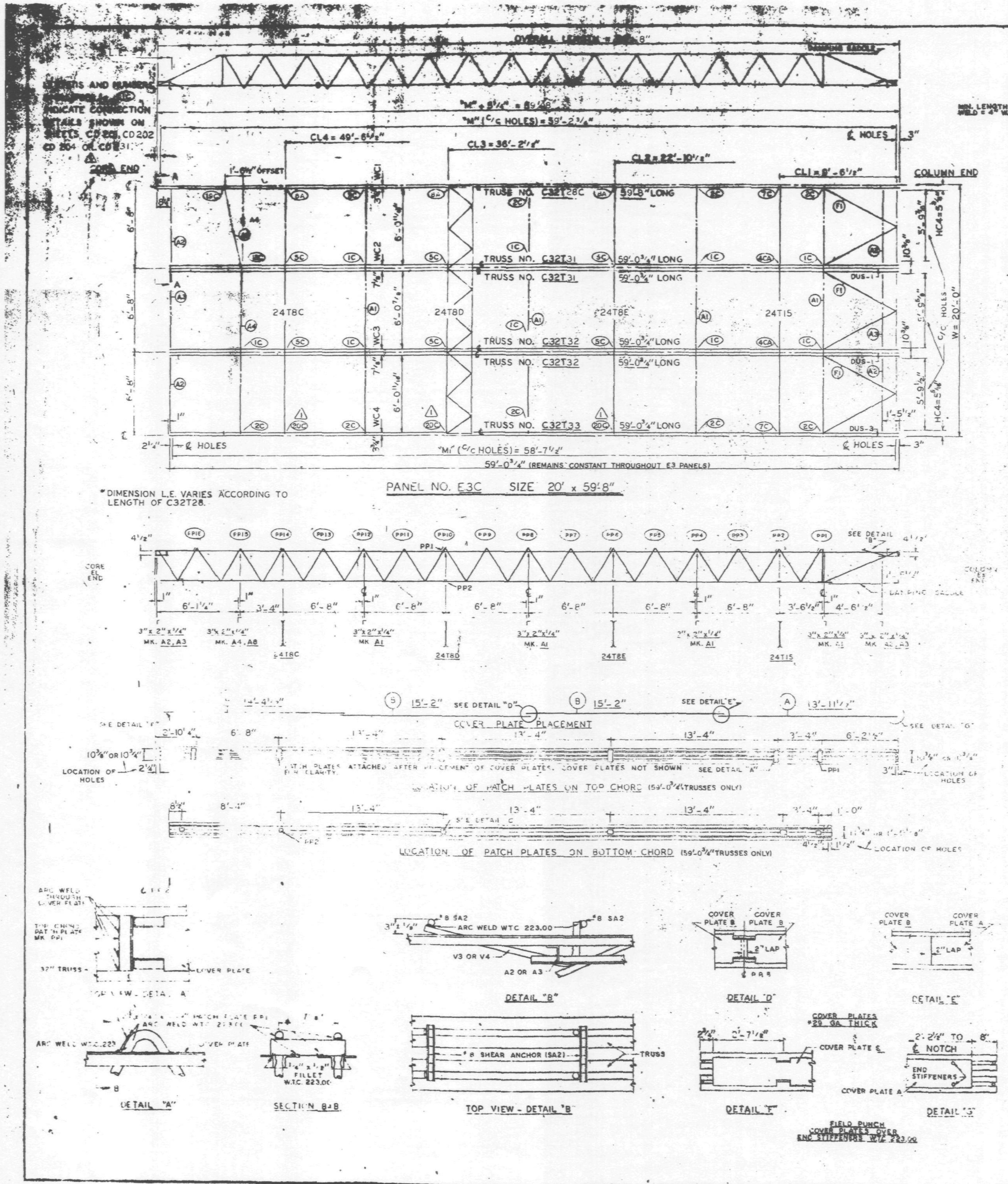
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR — DATE

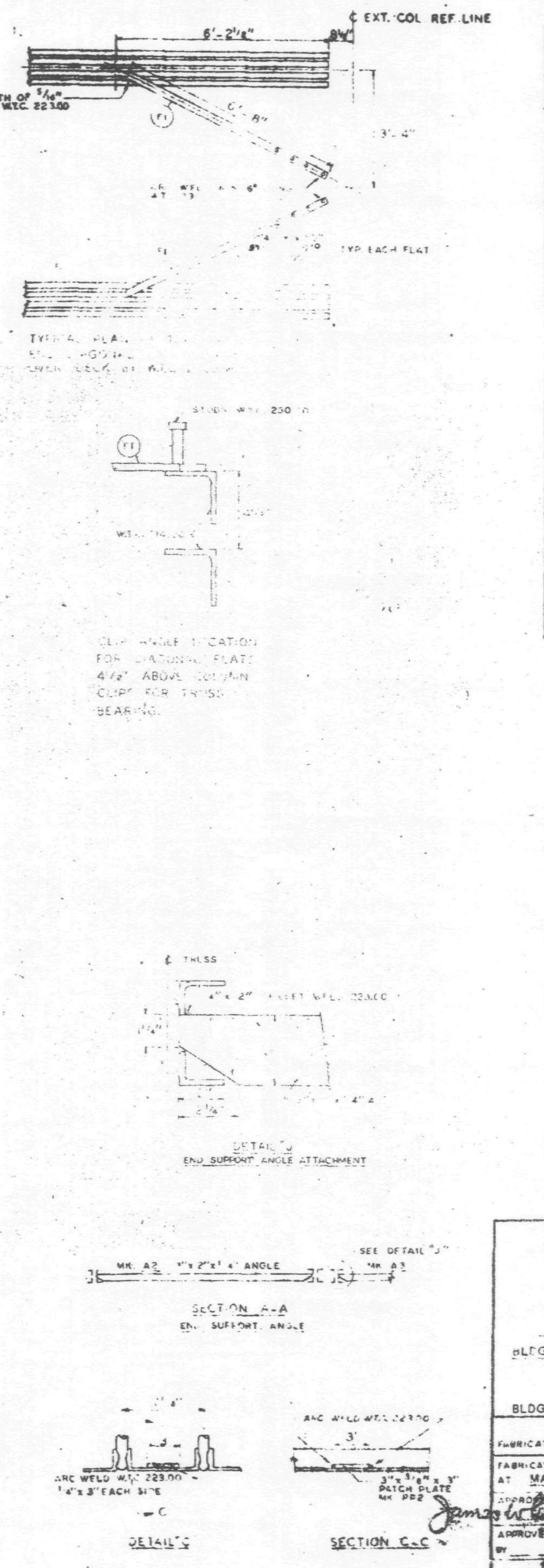
CHECKED BY T.M. CHORA DATE NOV. 4, 1968

DETAILED BY LACLEDE STEEL CO.

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP E1C

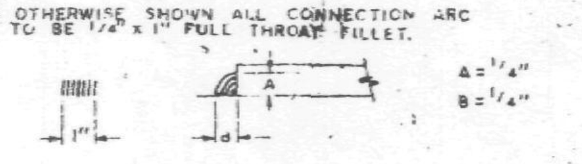




REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28C	1	C32T28C - 59'-8"	ST 228C
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	ST 208C
	T8D	1	24T8D - 19'-11"	ST 208D
	T8E	1	24T8E - 19'-11"	ST 208E
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A4	1	3" x 2" x ¼" x 13'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-[illegible]"	ST 405
DIAGONAL FLATS	F1	6	[illegible]	ST 402
[illegible] PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-[illegible]"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6[illegible]"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6[illegible]"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	⅞" ϕ x 1'-3"	ST 400
CONNECTION PLATES (1)	P15	6	6½" x ½" x 2'-9"	ST 416
	[illegible]	5	[illegible]	ST 400
	[illegible]	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-3"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.



NO	DATE	REVISION	BY
1	8-4-69	AS NOTED	G.D.C.

7-AB2-10	7-22-68
[illegible]-49	1-6-69
[illegible]	10-15-68
[illegible]	7-22-68
[illegible]	10-15-68
SA-124	1-6-69
7-AB1-25 & 28	1-6-69
7-AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

FLOOR PANEL DETAILS

FOR

[illegible]

FOR

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (SOUTH)

PANEL E3C – 20' x 59'-8"

BLDG. B FLOORS 78 (EAST)

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION FOR P.O.N.Y.A. — DATE 8/11/69

APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE

DETAILED BY: A. CARL WEBER

DESIGN DRAWING NO. 7 AB3 49

DRAWN BY gdc — DATE APRIL 2, 1969

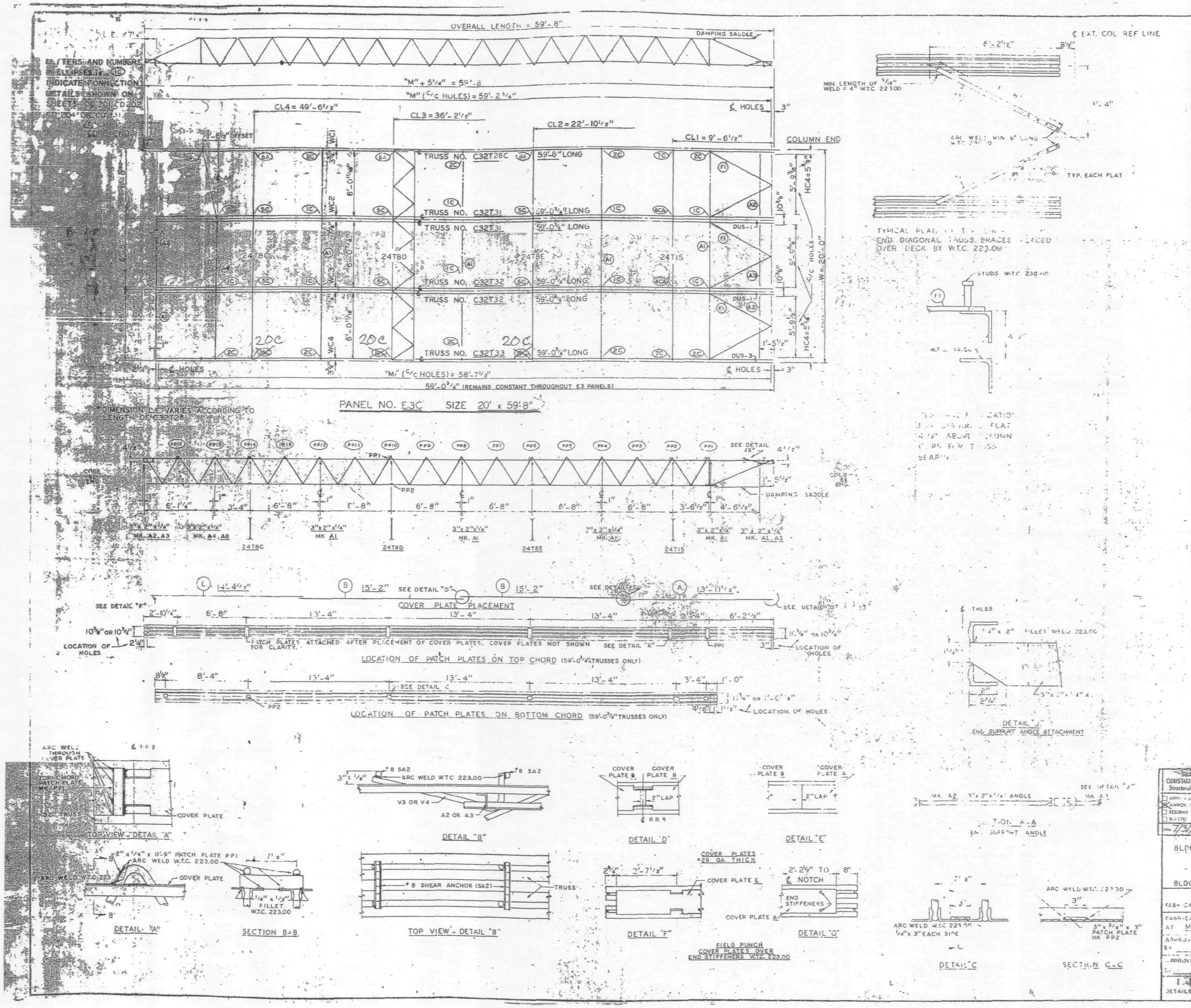
CHECKED BY: T.M. CHURA — DATE APRIL 2, 1969

FABRICATION CONT. NO. W.T.C. 221

PLATE

IN CHARGE OF PROD. DEV.

SHEET NO. FP E3C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28C	1	C32T28C - 59'-8"	ST 228C
	T31	2	C32T31 - 59'-0 3/4"	ST 231
	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 - 59'-0 3/4"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x [illegible]	ST [illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x [illegible]	ST 400
	P2	1	4 1/2" x [illegible] x 0'-8"	ST 400
	P3	1	4 1/2" x [illegible] x 1'-0"	ST 400
	P5	3	4 1/2" x 1/2" x 1'-6"	ST 400
	P6	1	4 1/2" x [illegible] x 0'-[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	[illegible] REBAR x 0'-3"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

6 1/2 x 1/2 x 2'-9"

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-10	7-22-68
7-AB3-49	1-6-69
7-AB4-3	10-15-68
7-AB4-5 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB1-25 & 28	1-6-69
7-AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

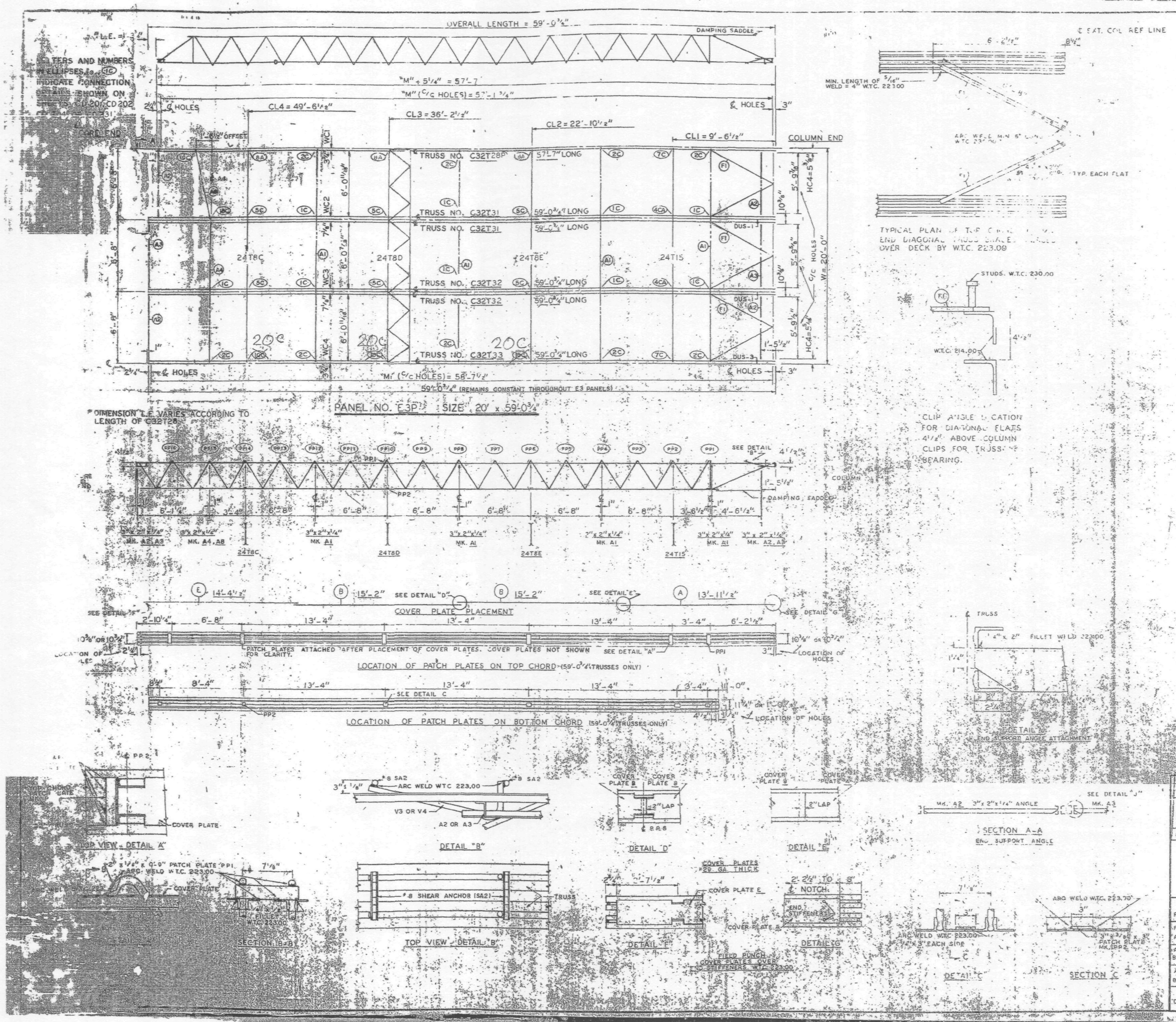
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 7/31/69

FLOOR PANEL DETAILS
WORLD TRADE CENTER N.Y.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (SOUTH)
PANEL E3C - 20' x 59'-8"
BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-49	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE	DRAWN BY: gdc DATE APRIL 2, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE APRIL 2, 1969	IN CHARGE OF PROD. DEV.
DETAILED LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E3C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28P	1	C32T28P 57'-7"	ST 228P
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-1"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11"	ST 403
	A3	2	3" x 2" x ¼" x 5' [illegible]	ST 403
	A4	[illegible]	[illegible]	ST 403
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
COVER PLATES	A	[illegible]	[illegible]	ST 303
	B	[illegible]	[illegible] x 15'-2"	ST 303
	[illegible]	[illegible]	[illegible] x 14'-4½"	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	[illegible]	2	3½" x 2½" x ⅜" x 5'-6⅞"	ST 298
	DUS-3	1	3½" x [illegible] x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" Φ x 1'-3"	ST 400
	CB2	[illegible]	1 3/16" Φ x 1'-3"	ST 400
	CB7	6	[illegible] Φ x 1'-5"	ST 400
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
	P2	1	4" x 2" x .34" x 0'-9"	ST 400
	P3	1	4" x 2" x .34" x 1'-0"	ST 400
	P5	3	4" x 2" x ¼" x 1'-6"	ST 400
	P6	1	4" x 2" x [illegible] x 0'-[illegible]"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

6½" x 2" x 2'-9"

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.	
7-AB2-10	7-22-68
7-AB3-49	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB1-25 & 28	1-6-69
7-AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

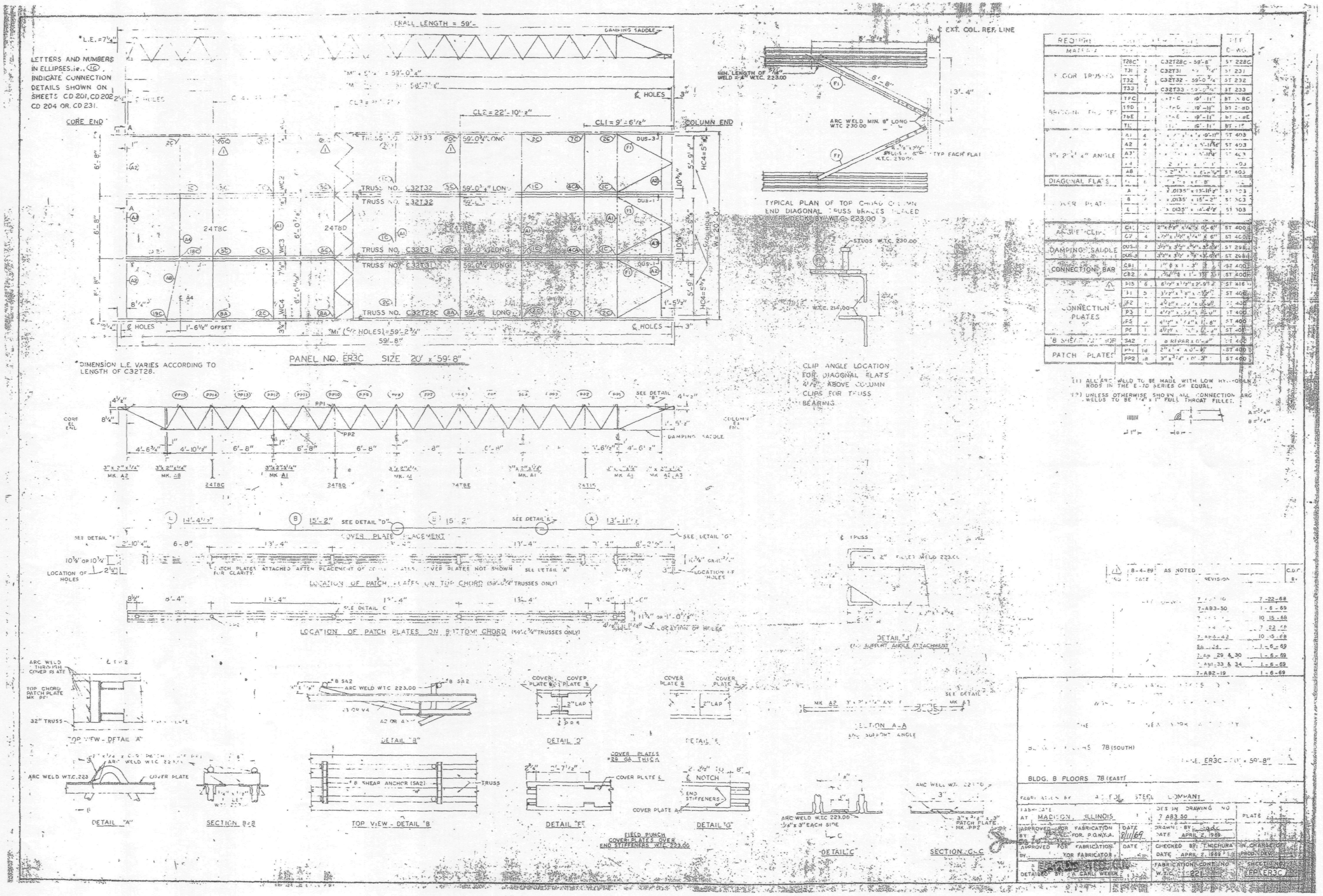
BLDG. A FLOORS 78 (NORTH)

PANEL E3P 20' x 59'-0¾"

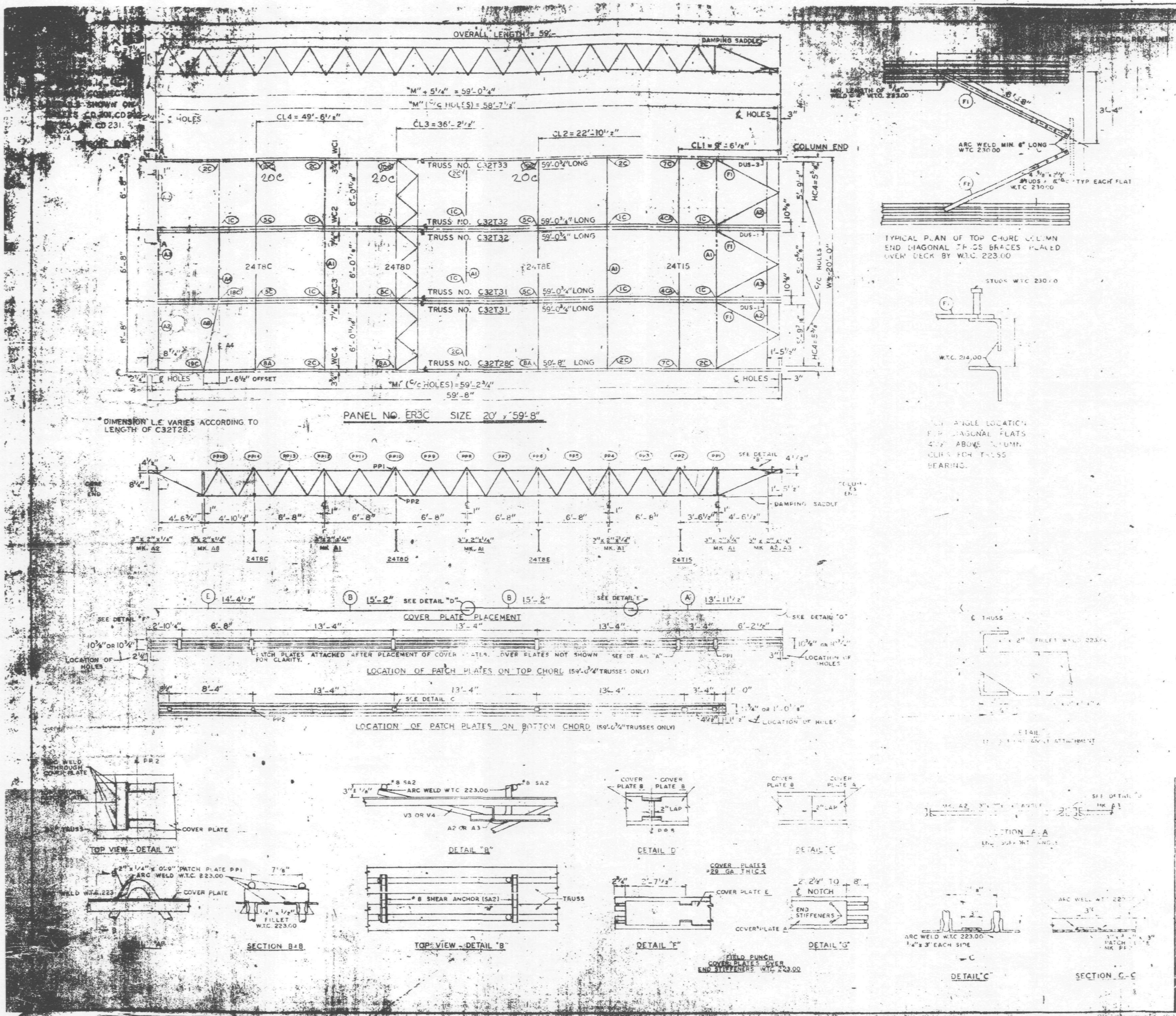
BLDG. B FLOORS 78 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3 49	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: gdg DATE APRIL 2, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE APRIL 2, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 321	SHEET NO. FP E3P



*L.E. = 7¼"
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 204 OR CD 231.
CORE END
COLUMN END
CL2 = 22'-10½"
CL1 = 9'-6½"
TRUSS NO. C32T33 59'-0¾" LONG
TRUSS NO. C32T32 59'-0¾" LONG
TRUSS NO. C32T31 59'-0¾" LONG
TRUSS NO. C32T28C 59'-8" LONG
DAMPING SADDLE
"M1" (C/L HOLES) = 59'-2¾"
59'-8"
PANEL NO. ER3C SIZE 20' x 59'-8"
*DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T28.
C EXT. COL. REF. LINE
ARC WELD MIN. 8" LONG W.T.C. 230.00
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECKS BY W.T.C. 223.00
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING
FLOOR TRUSSES
DIAGONAL FLATS
COVER PLATES
ANGLE CLIP
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼"x1" FULL THROAT FILLET.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (59'-0¾" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (59'-0¾" TRUSSES ONLY)
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
DETAIL "C"
SECTION C-C
7-AB4-42 10-15-68
7-AB 29 & 30 1-6-69
7-AB1-33 & 34 1-6-69
7-AB2-19 1-6-69
78 (SOUTH)
ER3C - 20' x 59'-8"
BLDG. B FLOORS 78 (EAST)
STEEL COMPANY
AT MADISON, ILLINOIS
DESIGN DRAWING NO 7 AB3 50
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 8/11/69
DRAWN BY DATE APRIL 2, 1969
APPROVED FOR FABRICATION FOR FABRICATOR
CHECKED BY: T. MICHURA DATE APRIL 2, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO. EP ER3C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T28C	1	C32T28C - 59'-8"	ST 228C
	T31	2	C32T31 - 59'-0 3/4"	ST 231
	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 - 59'-0 3/4"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	[illegible] - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	[illegible] x 19'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	[illegible]	[illegible]	[illegible]
	A4	[illegible]	[illegible]	[illegible]
	A8	1	3" x 2" x [illegible] x 6'-8 [illegible]"	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible] x 8'	[illegible]
[illegible] PLATES	A	[illegible]	[illegible] x 13'-11 1/2"	ST 303
	B	[illegible]	[illegible] .0135" x 15'-2"	ST 303
	E	[illegible]	[illegible] x .0135" x 14'-4 1/2"	ST 303
[illegible]	C1	[illegible]	[illegible] x 0'-8"	ST 400
	C[illegible]	4	[illegible] x 5"	ST 400
DAMPING SADDLE	DUS-[illegible]	[illegible]	[illegible] x 3' [illegible] x 3'-6 3/8"	ST 298
	DUS-[illegible]	[illegible]	[illegible] x 3'-6 3/8"	ST 298
CONNECTION BAR	CE1	[illegible]	[illegible]	ST 400
	CE2	[illegible]	[illegible]	ST 400
	CE3	[illegible]	[illegible] 5"	ST 400
CONNECTION PLATES	[illegible]	[illegible]	[illegible]	ST 400
	F2	1	4 1/2" [illegible] x 0'-[illegible]"	ST 400
	P3	1	[illegible]	ST 400
	F5	[illegible]	[illegible] x 1'-6"	ST 400
	P[illegible]	[illegible]	[illegible] x 0'-[illegible]"	ST 400
8 SHEAR ANCHOR	SA2	[illegible]	[illegible]	ST 400
PATCH PLATES	PP1	[illegible]	[illegible] 9"	ST 400
	PP2	[illegible]	[illegible] 3"	ST 400

6 1/2" x 1/2" x 2'-9"

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E[illegible] EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE [illegible] FULL THROAT FILLET.

REVISION	
7-AB2-10	7-22-68
7-AB3-50	1-6-69
[illegible]	10-15-68
[illegible]	7-22-68
7-A[illegible]	10-15-68
S[illegible]4	1-6-69
7-AB1-29 & 30	1-6-69
[illegible]AB1-33 & 34	1-6-69
7-AB2-19	1-6-69

SKILLING · HELLE CHRISTIANSEN · ROBERTSON Structural & Civil Engineers

7/31/69

[illegible] FLOORS 78 (SOUTH)

PANEL ER3C - [illegible] 59'-8"

BLDG. B FLOORS 78 (EAST)

FABRICATION BY [illegible] COMPANY

FABRICATE AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7 AB3-50

APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. — DATE

DRAWN BY [illegible] DATE APRIL 2, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE

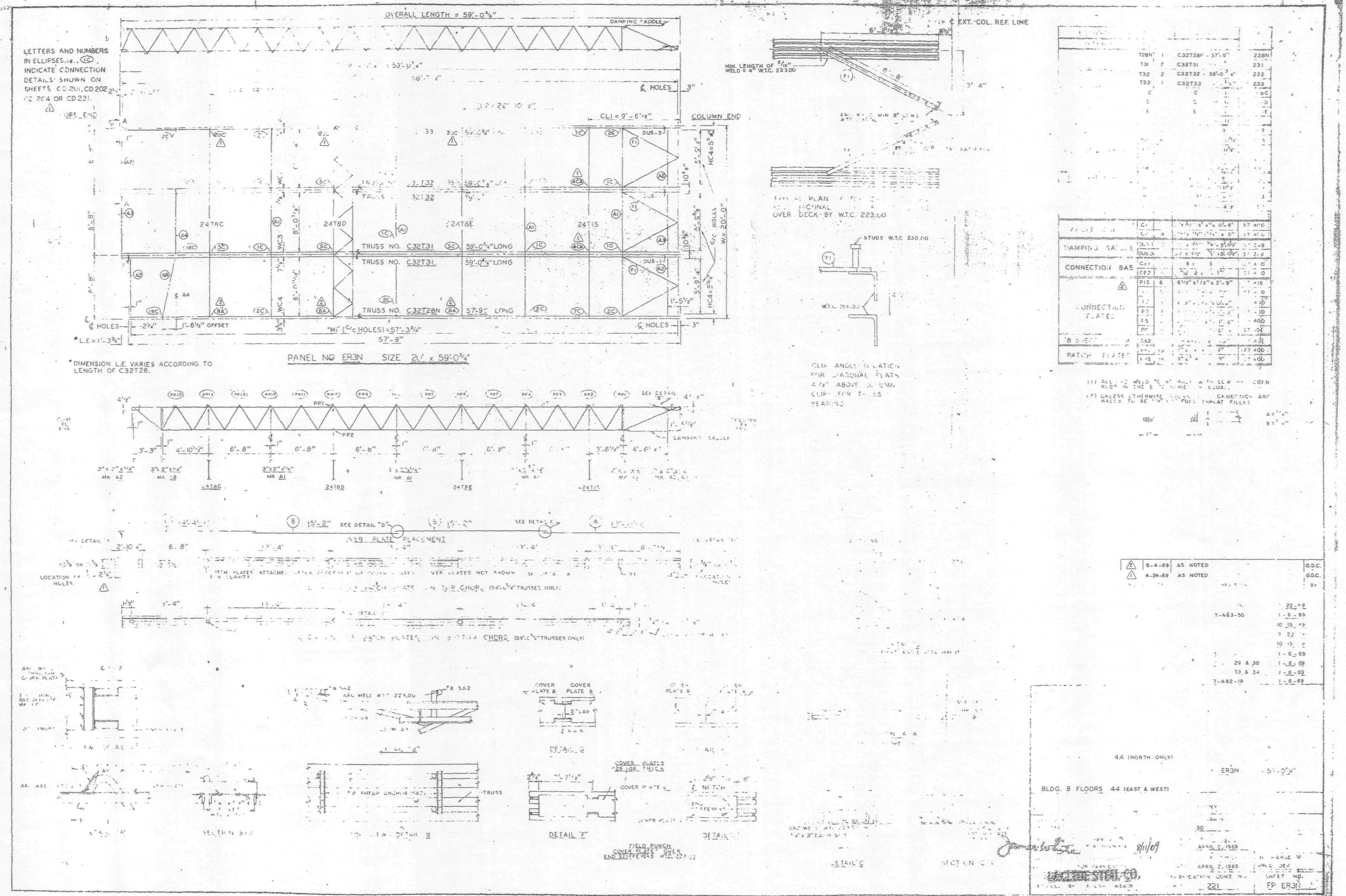
CHECKED BY: T.M. CHURA DATE APRIL 2, 1969

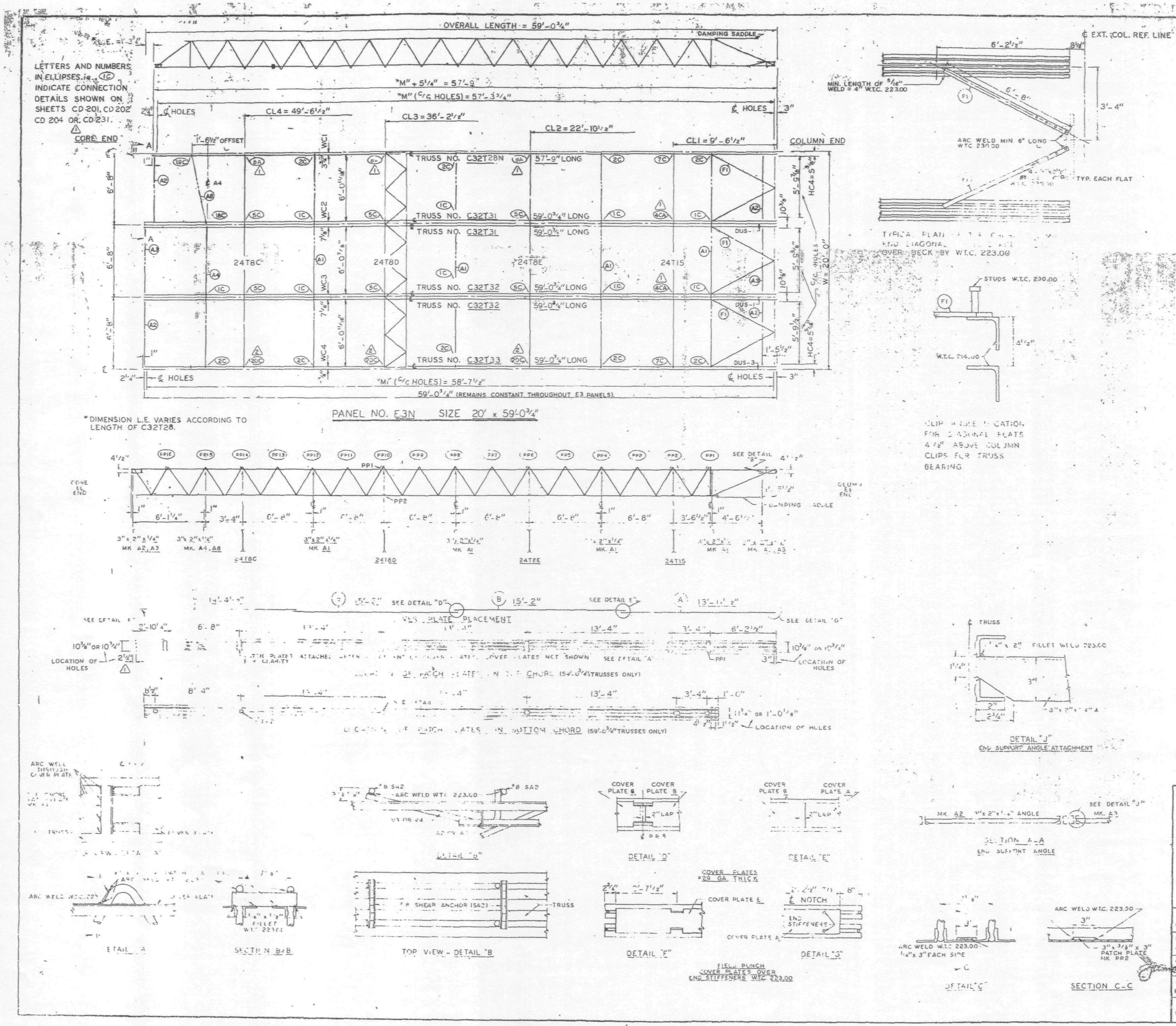
IN CHARGE PROD. [illegible]

DETAILED BY: [illegible]

FABRICATION CONT. NO. W.T.C. 221

ER3C


OVERALL LENGTH = 59'-0¾"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e., 1C INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 204 OR CD 231.
℄ HOLES
COLUMN END
CL1 = 9'-6⅞"
TRUSS NO. C32T32
TRUSS NO. C32T31
59'-0¾" LONG
TRUSS NO. C32T28N
57'-9" LONG
24T8C
24T8D
24T8E
24T15
HC4=5¾"
W = 20'-0"
℄ HOLES
1'-6½" OFFSET
"M1" (C/C HOLES)=57'-3¾"
57'-9"
*L.E.=1'-3¾"
PANEL NO. ER3N SIZE 20' x 59'-0¾"
*DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T28.
MIN. LENGTH OF 5/16" WELD = 4" W.T.C. 223.00
℄ EXT. COL. REF. LINE
OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING
DAMPING SADDLE
CONNECTION BASE
CONNECTION PLATES
PATCH PLATES
T28N
T31
T32
T33
C32T28N - 57'-9"
C32T31
C32T32 - 59'-0¾"
C32T33
228N
231
232
233
SEE DETAIL "D"
15'-2"
SPLICE PLATE PLACEMENT
COVER PLATE B
COVER PLATE B
DETAIL "D"
COVER PLATES 20 GA. THICK
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
DETAIL "F"
SHEAR ANCHOR (SA2)
TRUSS
DETAIL B
NOTCH
DETAIL C
8-4-69 AS NOTED G.D.C.
4-24-69 AS NOTED G.D.C.
7-A83-50
7-A82-19
29 & 30
33 & 34
44 (NORTH ONLY)
ER3N
59'-0¾"
BLDG. B FLOORS 44 (EAST & WEST)
APRIL 2, 1969
APRIL 2, 1969
221
FP ER3N
8/11/09



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28N	1	C32T28N - 57'-9"	ST 228N
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A4	1	3" x 2" x ¼" x 13'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-8⅜"	ST 405
DIAGONAL FLATS	F1	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	2C	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	[illegible]	13/16" ϕ x 1'-3"	ST 400
CONNECTION PLATES (2)	P1F	[illegible]	6½" x ½" x 2'-9"	ST 416
	[illegible]	5	[illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	[illegible]	[illegible] x 1'-6"	ST 400
	PC	1	[illegible]	ST 401
8 SHEAR ANCHOR	SA2	[illegible]	REBAR x 0'-9"	[illegible]
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-7C SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY
2	8-4-69	AS NOTED	G.D.C.
1	4-24-69	AS NOTED	G.D.C.

REF. DRWGS.

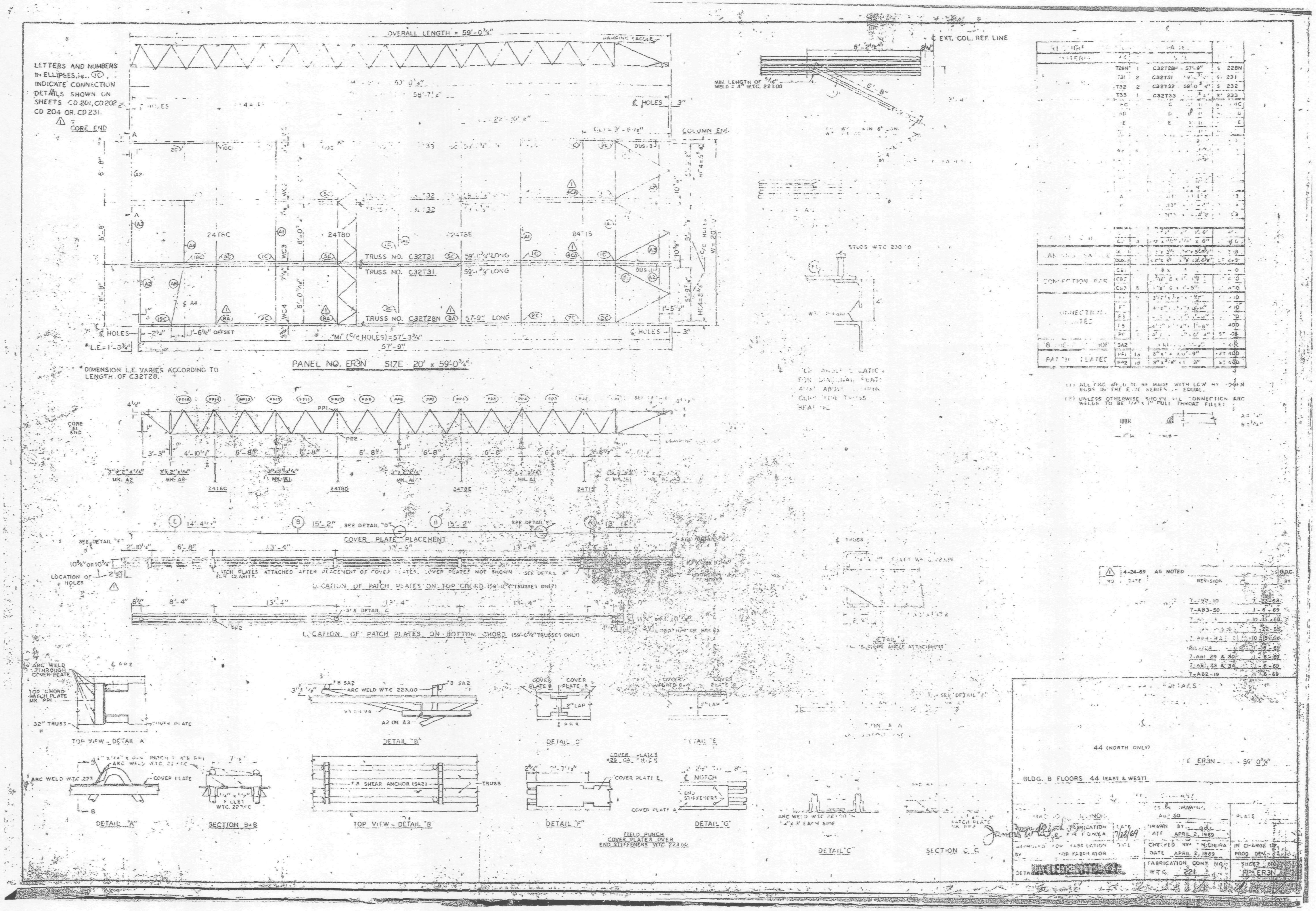
7-AB2-10	7-22-68
7-AB3-49	1-6-69
[illegible]	10-15-68
[illegible]	7-22-68
7-AB4-42	10-15-68
SH-124	1-6-69
7-AB1-25 & 28	1-6-69
7-AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

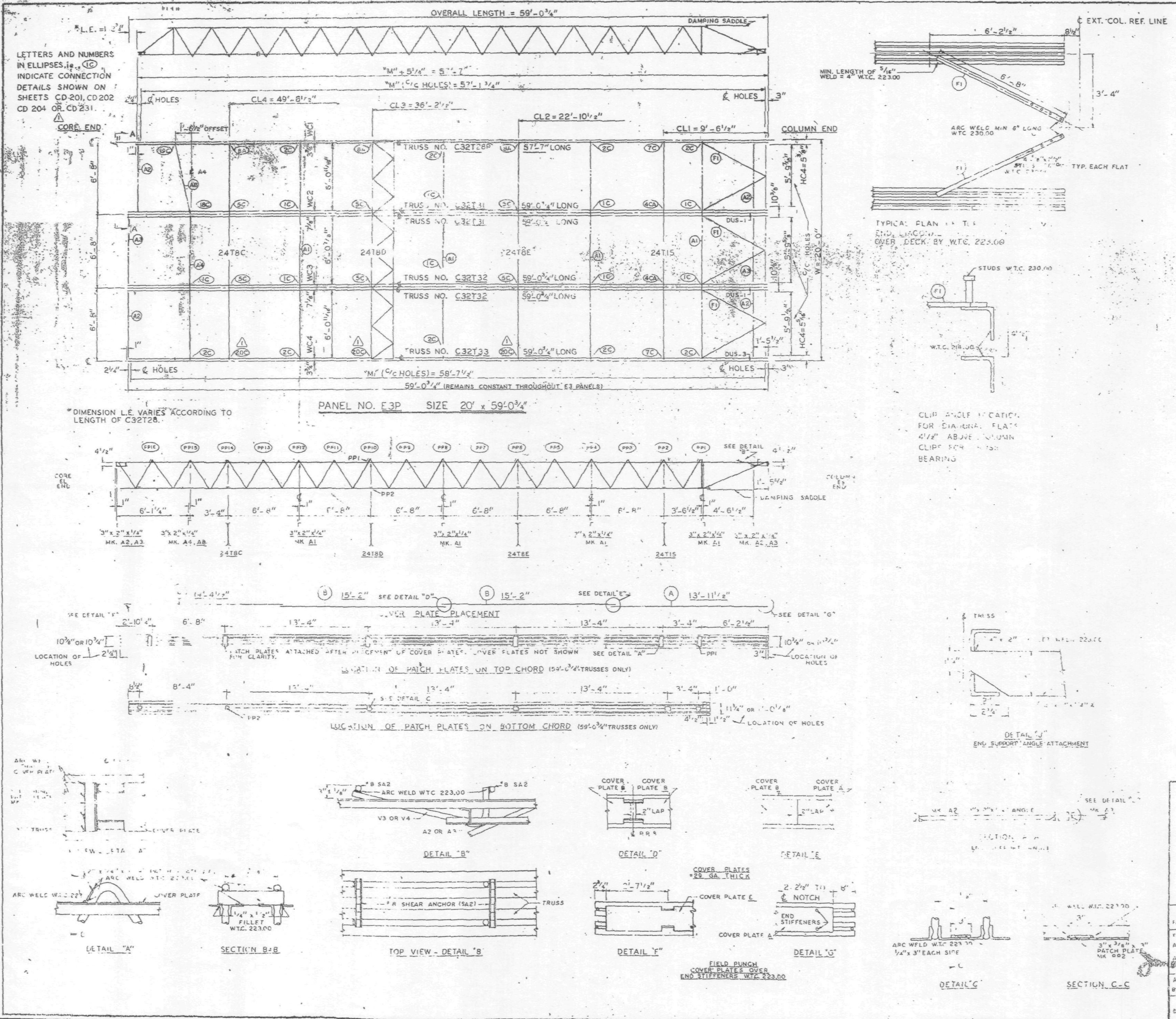
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 44 (NORTH ONLY)
PANEL E3N - 20' x 59'-0¾"
BLDG. B FLOORS 44 (WEST & EAST) (1)

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3-49
PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 8/11/69
DRAWN BY gdc DATE APRIL 2, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 2, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP E3N

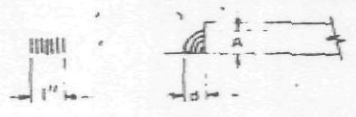

OVERALL LENGTH = 59'-0¾"
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 204 OR CD 231.
CORE END
COLUMN END
℄ EXT. COL. REF. LINE
MIN LENGTH OF 5/16" WELD = 4" W.T.C. 223.00
TRUSS NO. C32T31 59'-0¾" LONG
TRUSS NO. C32T31
TRUSS NO. C32T28N 57'-9" LONG
24TBC
24TBD
24TBE
24T15
℄ HOLES
L.E. = 1'-3¾"
1'-6½" OFFSET
57'-9"
PANEL NO. ER3N SIZE 20' x 59'-0¾"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T28.
STUDS W.T.C. 230.10
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" FULL THROAT FILLET
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (59'-0¾" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (59'-0¾" TRUSSES ONLY)
LOCATION OF HOLES
4-24-69 AS NOTED
REVISION
TOP VIEW - DETAIL A
DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
ARC WELD W.T.C. 223.00
SHEAR ANCHOR (SA2)
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
44 (NORTH ONLY)
BLDG. B FLOORS 44 (EAST & WEST)
DRAWN BY
DATE APRIL 2, 1969
CHECKED BY
DATE APRIL 2, 1969
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-ER3N
7/28/69



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28P	1	C32T28P - 57'-7"	ST 228P
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x ¼" ANGLE	A1	4	3"x 2"x ¼"x 19'-11"	ST 403
	A2	4	3"x 2"x ¼" x 5'-1[illegible]"	ST 403
	A3	2	3"x 2"x ¼" x 5'-1[illegible]"	ST 403
	A4	1	3"x 2"x ¼" x 1[illegible]' 3"	ST 403
	A8	1	3"x 2"x ¼" x 6'-[illegible]"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	[illegible]	2"x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	5	1³⁄₁₆" ϕ x 1'-3"	ST 400
CONNECTION PLATES (1)	F1F	6	6½" x ½" x 2'-9"	ST 416
	[illegible]	5	[illegible]	ST 4[illegible]0
	F[illegible]	1	4½" x [illegible]" x 0'-8"	ST 400
	P3	1	[illegible]	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P[illegible]	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x 0'-8"	[illegible]
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 410
	PP2	18	3" x ⅜" x 0'-3"	ST 410

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
(1)	8-4-69	AS NOTED	G.D.C.

REF. DWGS.:

[illegible] 10	7-22-68
[illegible] 49	1-6-69
[illegible]	10-15-68
[illegible]	7-22-68
[illegible] 42	10-15-68
[illegible] 24	1-6-69
[illegible] 25 & 28	1-6-69
7-AB[illegible] 29 & 30	1-6-69
7-AB2-19	1-6-69

FLOOR PANEL DETAILS

BLDG. A FLOORS 78 (NORTH)

PANEL E3P 20' x 59'-0¾"

BLDG. B FLOORS 78 (WEST)

FABRICATION BY: [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 8/11/69

APPROVED FOR FABRICATION BY: ______ FOR FABRICATOR DATE ______

DETAILED BY: A. CARL WEBER

DESIGN DRAWING NO. 7-AB3-49

DRAWN BY G.D.C. DATE APRIL 2, 1969

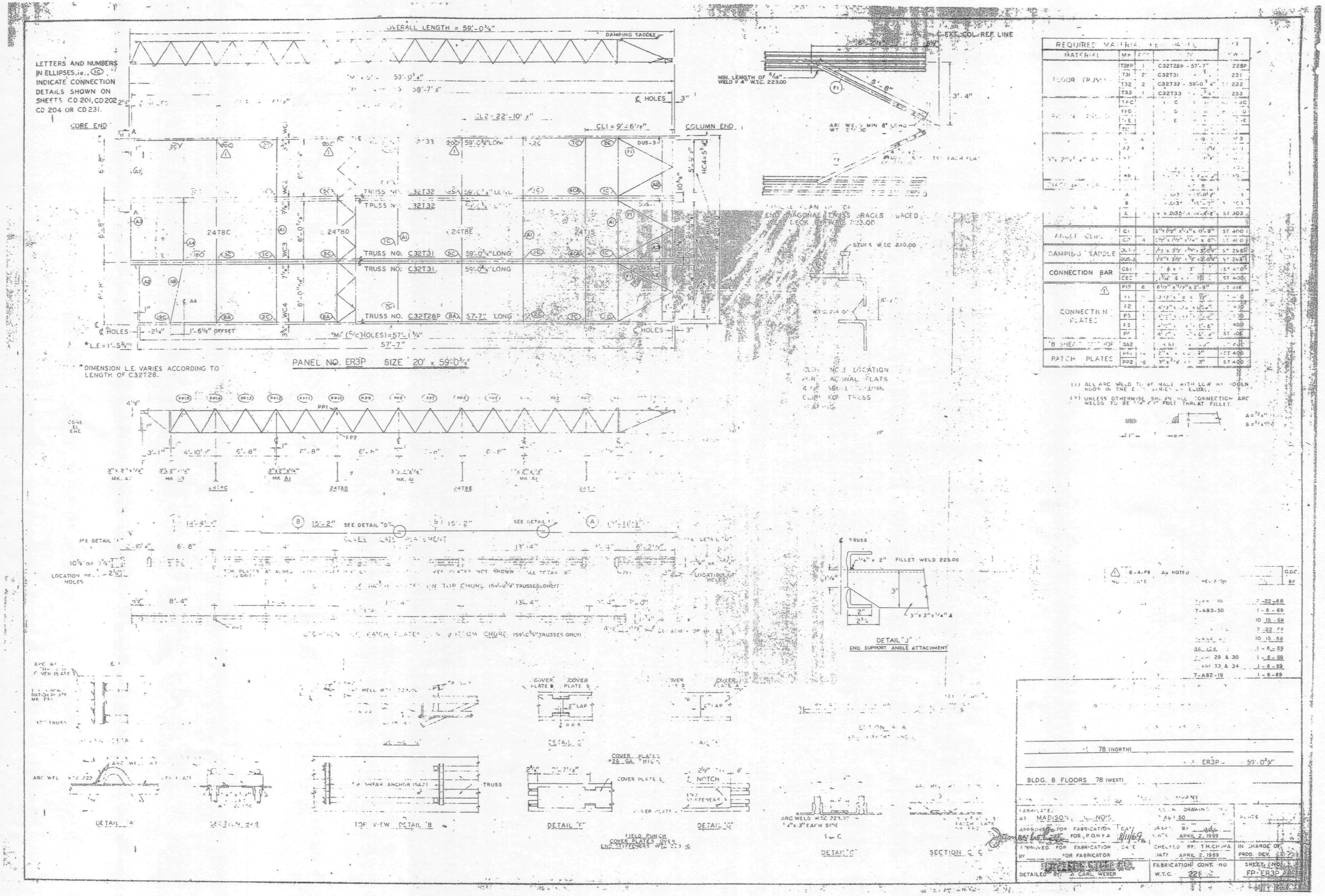
CHECKED BY: T.M. CHURA DATE APRIL 2, 1969

FABRICATION CONT. NO. W.T.C. 221

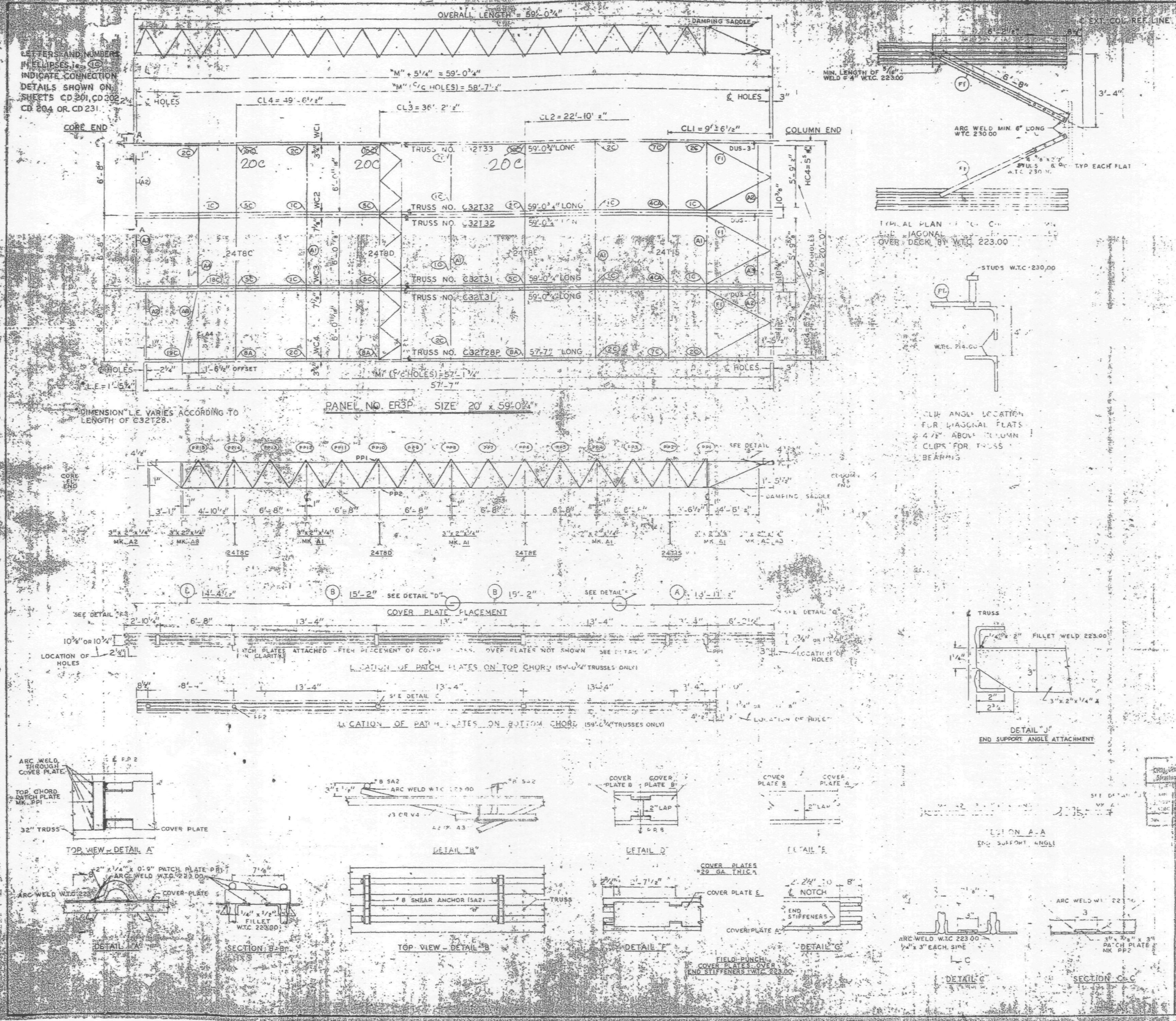
SCALE

IN CHARGE OF PROD. DEV.

SHEET NO. FP E3P



OVERALL LENGTH = 59'-0¾"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, ie., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 204 OR CD 231.
CORE END
COLUMN END
CL2 = 22'-10½"
CL1 = 9'-6⅛"
℄ HOLES
TRUSS NO. C32T32
TRUSS NO. C32T31
TRUSS NO. C32T28P
59'-0¾" LONG
57'-7" LONG
24T8C
24T8D
24T8E
24T15
1'-6½" OFFSET
57'-7"
*L.E = 1'-5¾"
*DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T28.
PANEL NO. ER3P SIZE 20' x 59'-0¾"
MIN. LENGTH OF 5/16" WELD = 4" W.T.C. 223.00
EXT. COL. REF LINE
END DIAGONAL TRUSS BRACES BRACED PER DECK DWG W.T.C. 223.00
REQUIRED MATERIAL
FLOOR TRUSS
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" FULL THROAT FILLET.
FILLET WELD 223.00
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
DETAIL "A"
SECTION B-B
TOP VIEW DETAIL "B"
DETAIL "E"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS
COVER PLATES #22 GA. THICK
6 SHEAR ANCHOR (SA2)
BLDG. B FLOORS 78 (WEST)
AT MADISON, ILLINOIS
APPROVED FOR FABRICATION FOR P.O.N.Y.A.
APPROVED FOR FABRICATION FOR FABRICATOR
DETAILED BY: A. CARL WEBER
CHECKED BY: T.M.CHIMA
APRIL 2, 1969
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP-ER3P



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28P	1	C32T28P - 57'-7"	ST 228P
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	TBC	1	24T-C - 19'-11"	BT [illegible]BC
	TBD	1	[illegible]D - 19'-11"	BT [illegible]D
	TBE	1	24T-E - 19'-11"	BT [illegible]E
	T15	1	[illegible] - 19'-11"	BT [illegible]
3"x 2"x ¼" ANGLE	A1	4	[illegible] 19'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	[illegible]	[illegible]	ST 403
	A4	[illegible]	[illegible]	ST 403
	A8	[illegible]	[illegible]	ST 403
DIAGONAL PLATES	[illegible]	[illegible]	[illegible] 9'	[illegible]
[illegible]	A	[illegible]	[illegible] x .0135" x 13'-11½"	ST [illegible]3
	B	[illegible]	[illegible] x .0135" x 15'-2"	ST 303
	E	[illegible]	[illegible] x .0135" x 14'-4½"	ST 303
ANGLE CONN.	C1	[illegible]	2"x 1½" x ¼" x 0'-5"	ST 400
	C2	4	1½"x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x 3½" x [illegible]	ST 298
	DUS-3		3½"x 3½" x [illegible]	ST 298
CONNECTION BAR	CB1	[illegible]	[illegible] Φ x 1'-3"	ST 400
	CB2	[illegible]	[illegible] Φ x 1'-3[illegible]	ST 400
	CB3	8	1⅝" Φ x 1'-5[illegible]	ST 400
CONNECTION PLATES	F1	[illegible]	[illegible]	ST 400
	F2	1	4½" x [illegible]	ST 400
	F3	1	[illegible]	ST 400
	F5	[illegible]	[illegible] 1'-6[illegible]	ST 400
	F6	1	[illegible]	ST 400
#8 SHEAR [illegible]	SA2	[illegible]	#8 [illegible] x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 400
	PP2	16	3" x ¾" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
		7-AB3-10	7-22-68
		7-AB3-50	1-6-69
		[illegible]	10-15-68
		[illegible] 5 & 6	7-22-68
		[illegible] 42	10-15-68
		SA 24	1-6-69
		7-AB1-29 & 30	1-6-69
		7-AB1-33 & 34	1-6-69
		7-AB2-19	1-6-69

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
APPROVED
APPROVED AS NOTED
7/31/69

[illegible] DETAILS

[illegible] NEW YORK AUTHORITY

B[illegible] FLOORS 78 (NORTH)

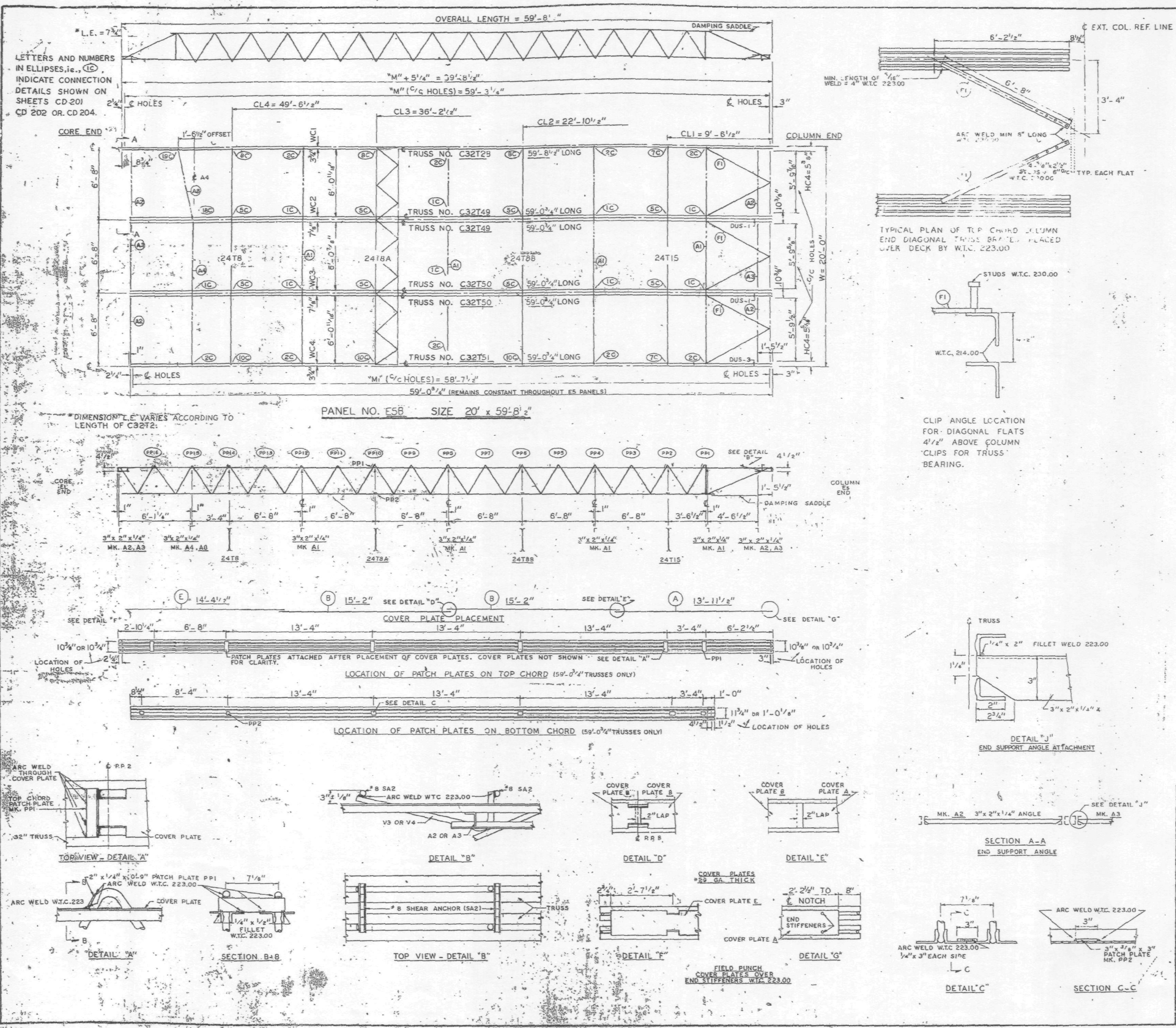
PANEL ER3P - 20' x 59'-0¾"

BLDG. B FLOORS 78 (WEST)

[illegible] COMPANY

FABRICATE AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3 50	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE	DRAWN BY: [illegible] DATE APRIL 2, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. MICHURA DATE APRIL 2, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP ER3P

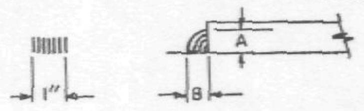
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T28	1	C32T28 - 59'-8½"	ST 202B
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11¾"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	3" x 2" x ¼" x 6'-8⅝"	ST 403
DIAGONAL FLATS	F1	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1³⁄₁₆" ϕ x 1'-3"	ST 400
	CB3	6	1⅜" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-½"	ST 400
	P2	1	4½" x .38" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .38" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.



A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44, 45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

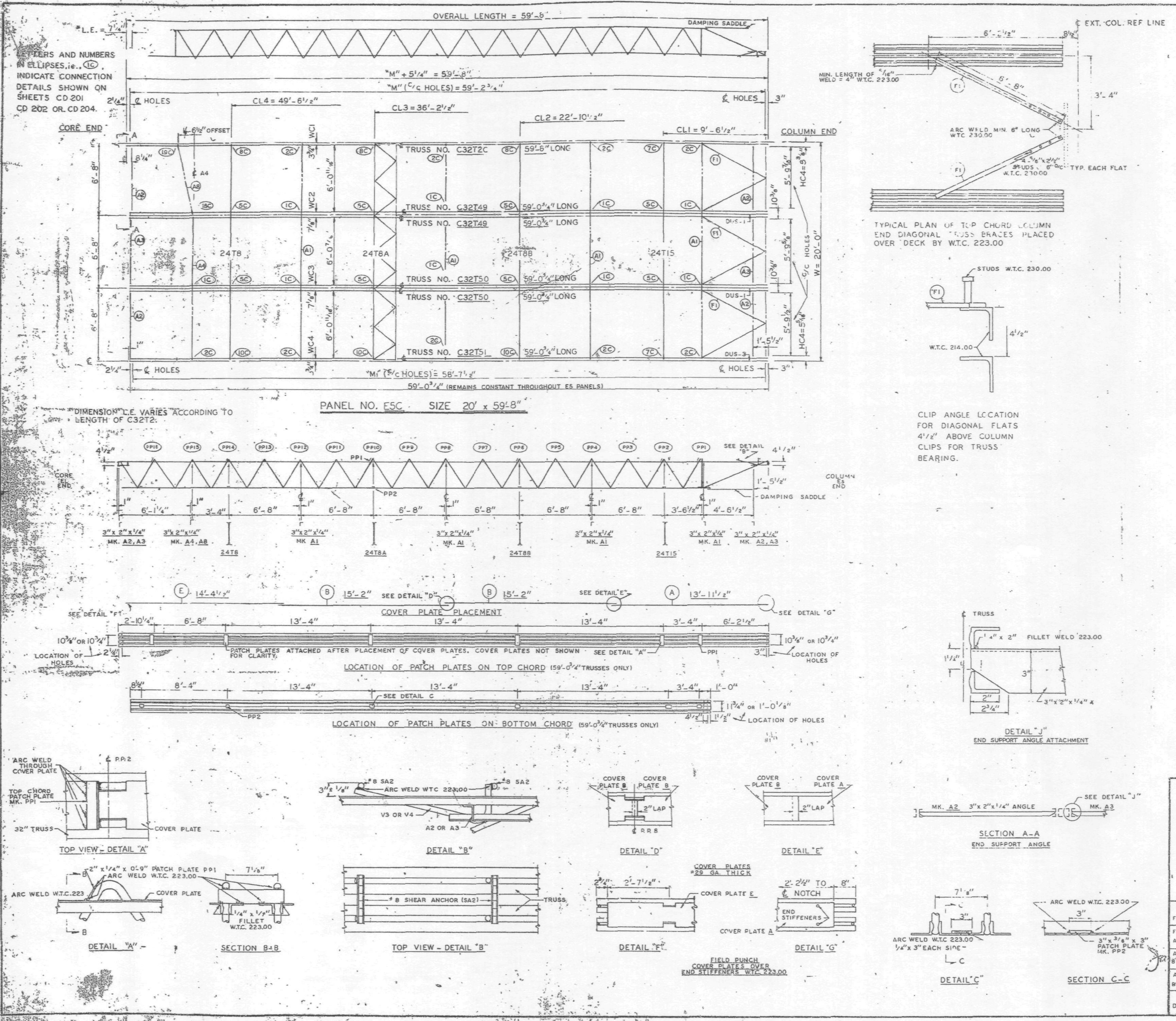
BLDG. A FLOORS 83 (NORTH)

PANEL E5B - 20' x 59'-8½"

BLDG. B FLOORS 83 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

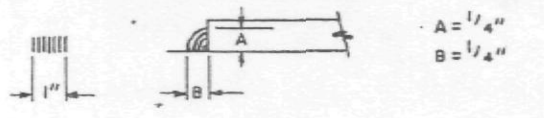
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-73	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T. MICHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E5B



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2C	1	C32T2C - 59'-8"	ST 202C
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 - 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	3" x 2" x 1/4" x 6'-[illegible]	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x [illegible]-8"	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x [illegible]	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .34" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49 (SOUTH)

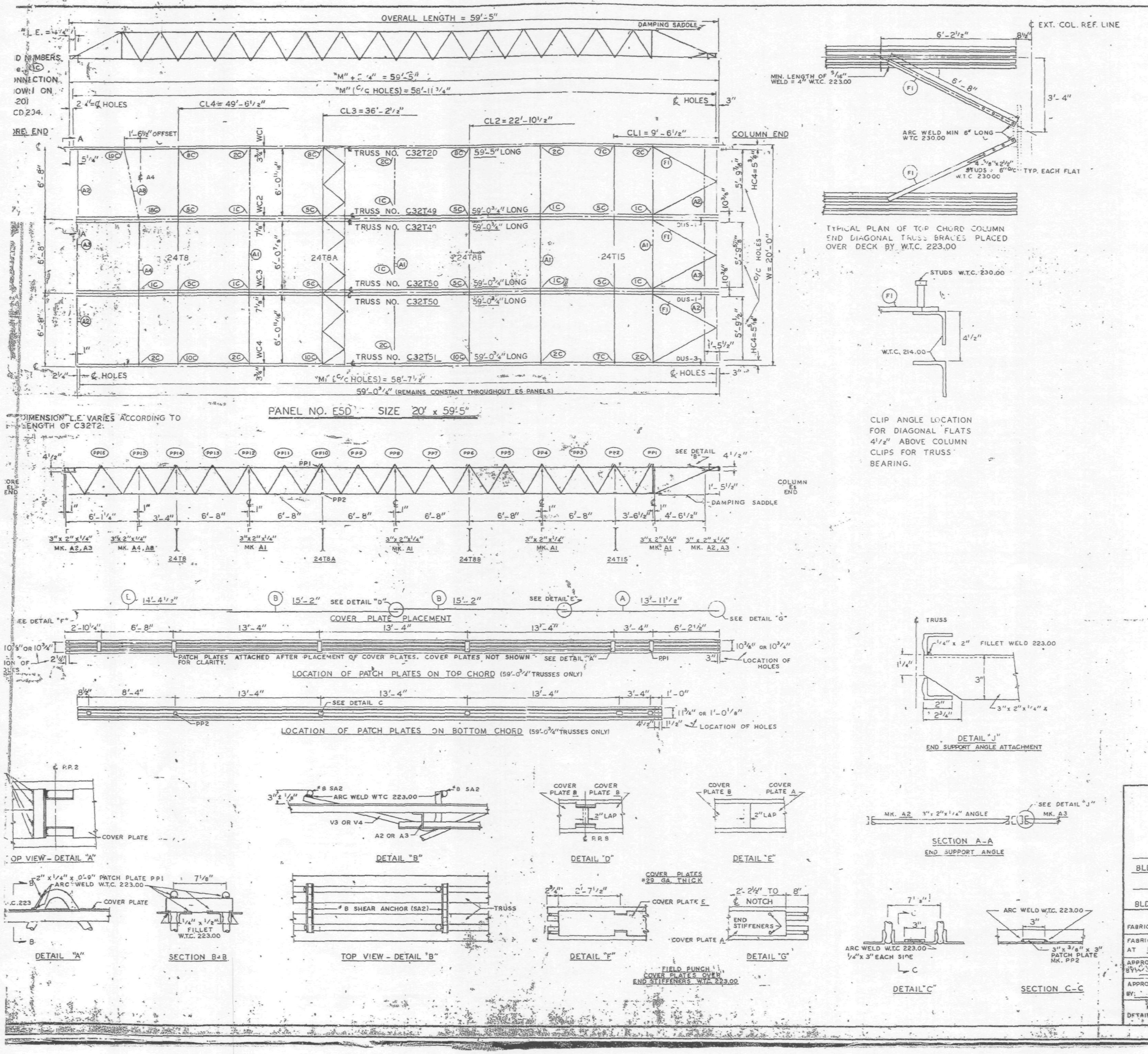
PANEL E5C - 20' x 59'-8"

BLDG. B FLOORS 49 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-73	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN 15, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E5C

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2D	1	C32T2D - 59'-5"	ST 202D
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 - 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	[illegible]	1	[illegible]	[illegible]
	A8	1	[illegible]	ST 40[illegible]
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER [illegible]	A	3	[illegible]	ST 303
	B	8	[illegible]	ST 30[illegible]
	[illegible]	3	[illegible]	ST 303
ANGLE CLIP[illegible]	C1	[illegible]	[illegible]	ST 400
	C2	4	[illegible]	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
[illegible]NNECTION BAR	CB1	1	[illegible]	ST 400
	CB2	6	[illegible]	ST 400
	CB3	6	[illegible]	ST 400
CONNE[illegible] PLA[illegible]	[illegible]	5	[illegible]	ST 400
	[illegible]	1	[illegible]	ST 400
	[illegible]	[illegible]	[illegible]	ST 400
	P5	3	[illegible]	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR [illegible]	SA2	6	#8 REBAR x 0'-[illegible]"	ST 40[illegible]
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44, 45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

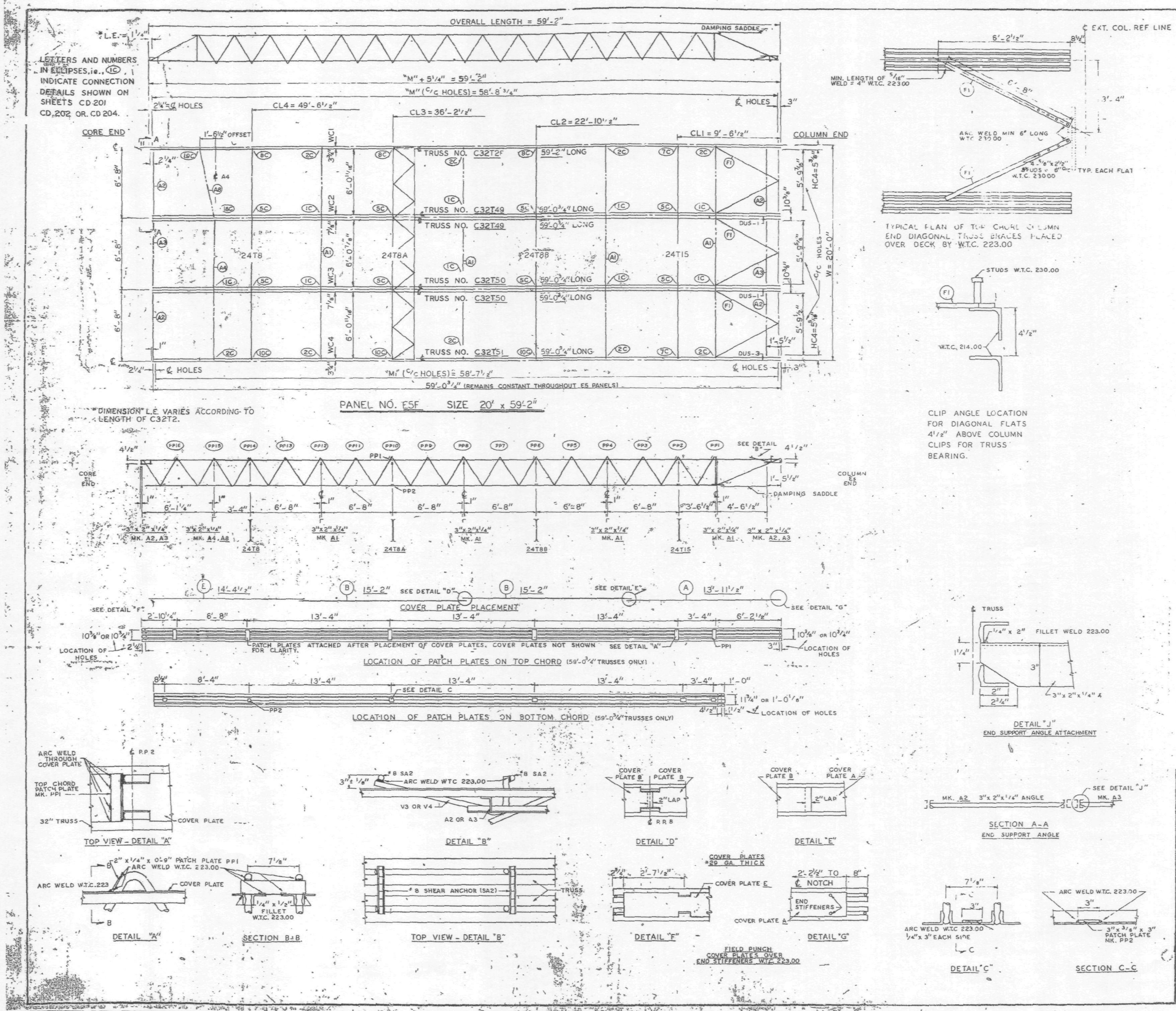
BLDG. A FLOORS 81 & 82 (NORTH)

PANEL E5D - 20' x 59'-5"

BLDG. B FLOORS 81 & 82 (WEST)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3 73	PLATE
APPROVED FOR FABRICATION BY: [illegible] FOR P.O.N.Y.A.	DATE [illegible]	DRAWN BY: gdc DATE: JAN 15, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHUBA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E5D



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T2F	1	C32T2F - 59'-2"	ST 202F
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 - 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
	A4	1	[illegible]	ST 405
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	[illegible]	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC-WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

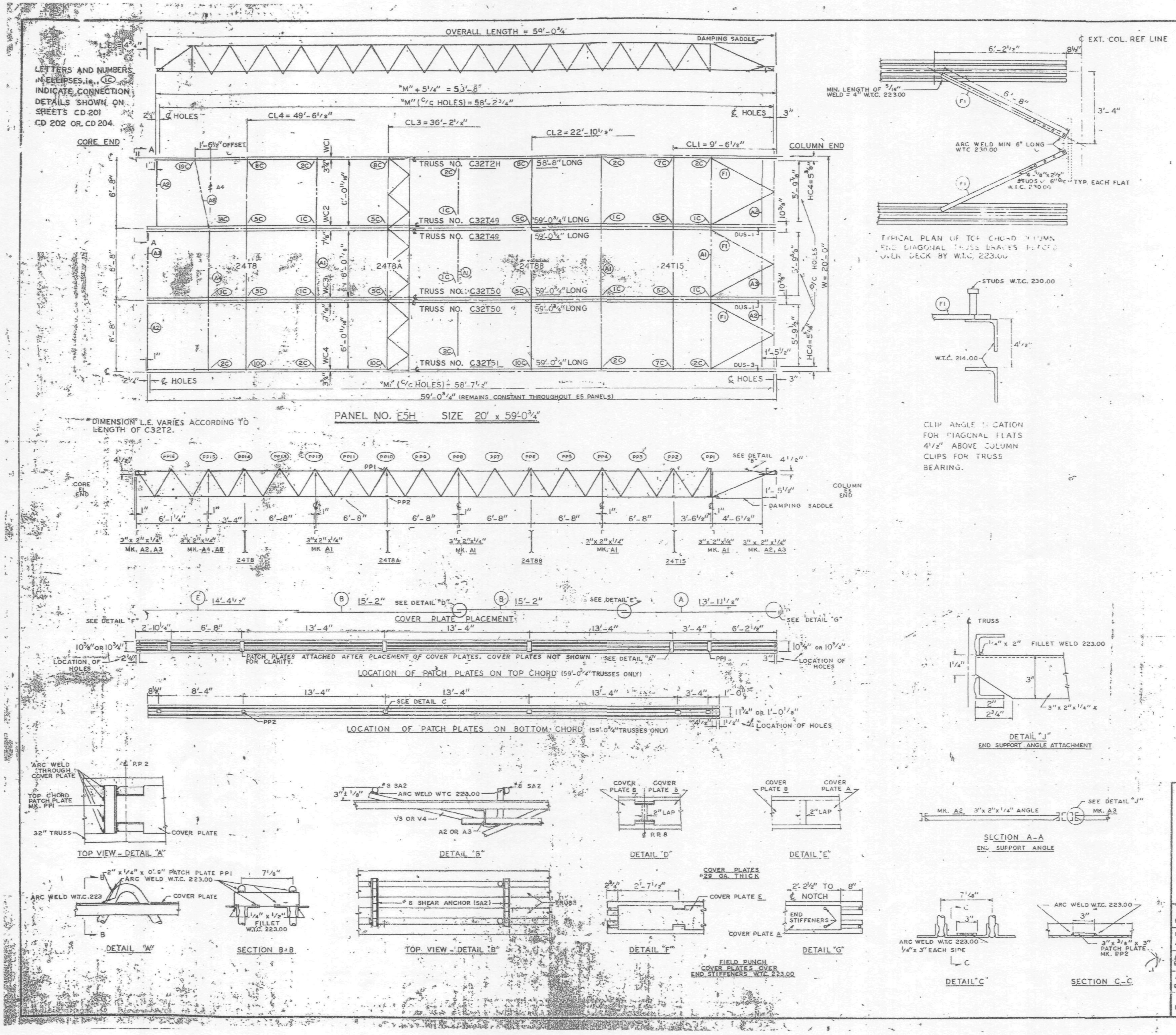
REF. DRWGS.	
7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47 & 48 (SOUTH)
PANEL E5F - 20' x 59'-2"
BLDG. B FLOORS 47 & 48 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3.73	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E5F



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T2H	1	C32T2H - 58'-8"	ST 202H
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x¼" ANGLE	A1	4	3"x 2"x¼"x 19'-11"	ST 403
	A2	4	3"x 2"x¼"x 5'-[illegible]"	ST 403
	A3	2	3"x 2"x¼"x 5'-[illegible]"	ST 403
	A4	1	3"x 2"x¼"x 13'-3"	ST 403
	A8	1	3"x 2"x¼"x 6'-[illegible]"	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
COVER PLATE	A	3	9"x .0135"x 13'-11½"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	[illegible]	3	9"x .0135"x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2"x1½"x¼"x 0'-6"	ST 400
	C2	4	2½"x 1½"x¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x 3½"x⅜"x 3'-6⅞"	ST 298
	DUS-3	1	3½"x 3½"x⅜"x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1[illegible]	1" Φ x 1'-3"	ST 400
	CB2	6	1 3/16" Φ x 1'-3"	ST 400
	CB3	6	1⅝" Φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½"x ⅜"x [illegible]	ST 400
	P2	1	4½"x .3[illegible]"x 0'-8"	ST 400
	P3	1	4½"x .3[illegible]"x 1'-0"	ST 400
	P5	3	4½"x ¼"x 1'-6"	ST 400
	P[illegible]	1	4½"x .[illegible]"x 0'-[illegible]"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2"x¼"x 0'-9"	ST 400
	PP2	18	3"x⅜"x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.

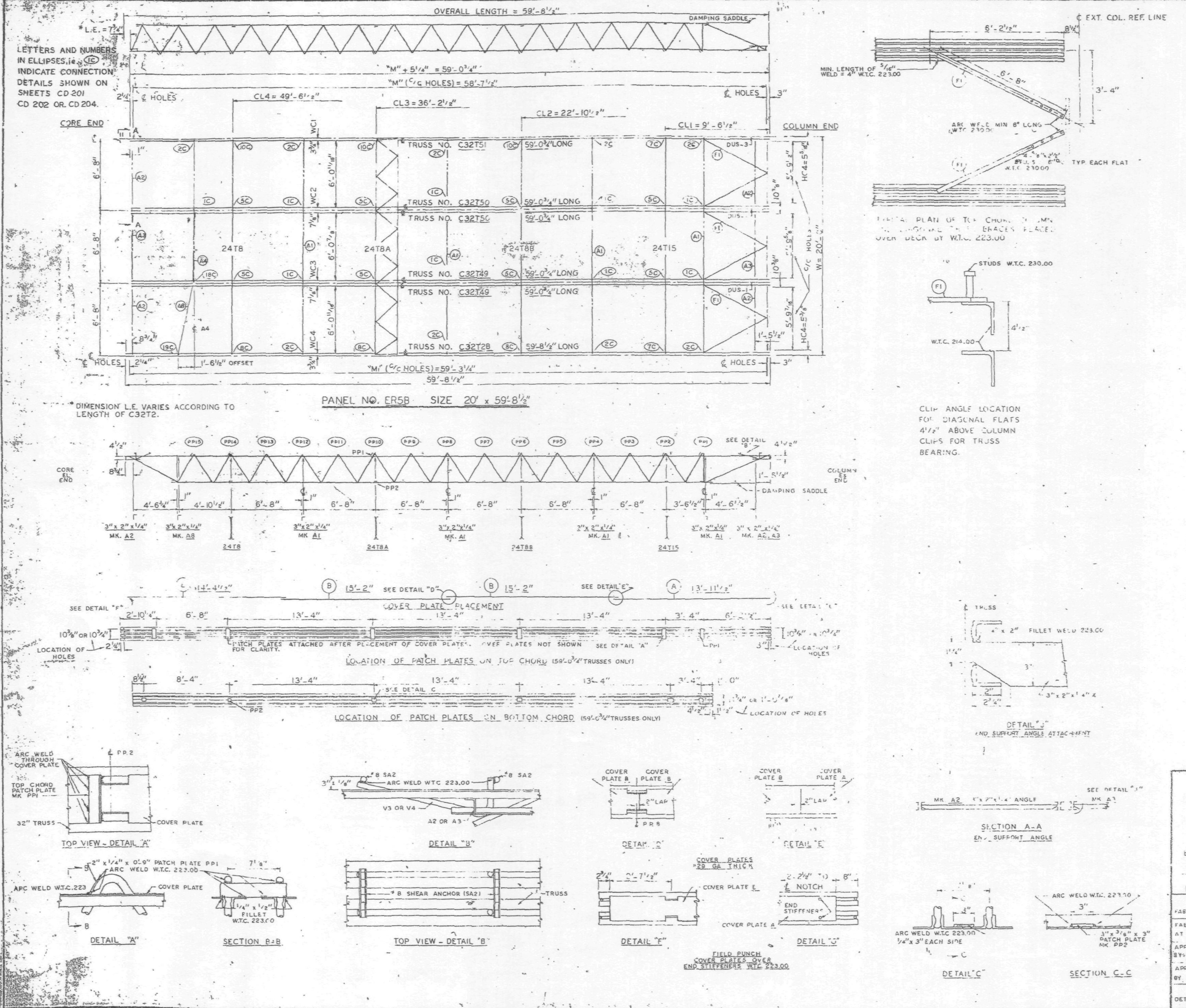
7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79 & 80 (NORTH)
PANEL E5H - 20' x 59'-0¾"
BLDG. B FLOORS 79 & 80 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-73	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY gdc DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAIL[illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP. E5H



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28	1	C32T28 - 59'-8½"	ST 2028
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	[illegible]	24T8B - 19'-11"	BT 208B
	T1	1	24T1[illegible] - 19'-11"	BT [illegible]15
3"x 2"x¼" ANGLE	A[illegible]	4	[illegible] x 19'-11"	ST 403
	A[illegible]	4	[illegible] x 5'-11[illegible]"	ST 403
	A3	[illegible]	[illegible] x 5'-11[illegible]"	ST 403
	[illegible]	1	[illegible] 3"	[illegible]
	A8	[illegible]	[illegible]	ST 40[illegible]
DIAGONAL FLA[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
VE[illegible]	[illegible]	[illegible]	[illegible] C 35" x 10'-11½"	ST 303
	[illegible]	[illegible]	[illegible] C 35" x [illegible]'-2"	ST 303
	[illegible]	[illegible]	[illegible] 0.35" x 4'-4½"	ST 303
ANGLE CLIPS	C1	20	2"x 1½" x¼"x 0'-6"	ST 400
	C2	4	2½"x 1½" x¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x 3½" x⅜"x 3'-5⅞"	ST 298
	DUS-3	7	3½"x 3½" x⅜" x3'-5⅞"	ST 298
CONNECTION EAR	CB1	1	1" ɸ x 1'-3"	ST 400
	CB2	6	1 3/16" ɸ x 1'-3"	ST 400
	CB3	6	1 5/16" ɸ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3½"x ⅜" x [illegible]	ST 400
	F2	1	[illegible] x 0'-9"	ST 400
	P2	1	4½" x [illegible] x 1'-0"	ST 400
	F5	3	4½" x ¼" x 1'-6"	ST 400
	PF	1	4½" x [illegible] x 0'-[illegible]"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-3"	ST 400
PATCH PLATES	PP1	18	2"x ¼" x 0'-9"	ST 400
	PP2	18	3"x 3/16" x 1'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRAWGS.

7-AB2-[illegible]	7-22-68
7-AB3-74	11-25-68
7-AB4-[illegible]	10-15-68
[illegible]AB4-15 & 16	7-22-68
[illegible]AB4-42	10-15-68
S4-[illegible]24	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

F[illegible] PANEL DETAILS

[illegible] NEW YORK AUTHORITY

BLDG. [illegible] FLOORS 83 (NORTH)

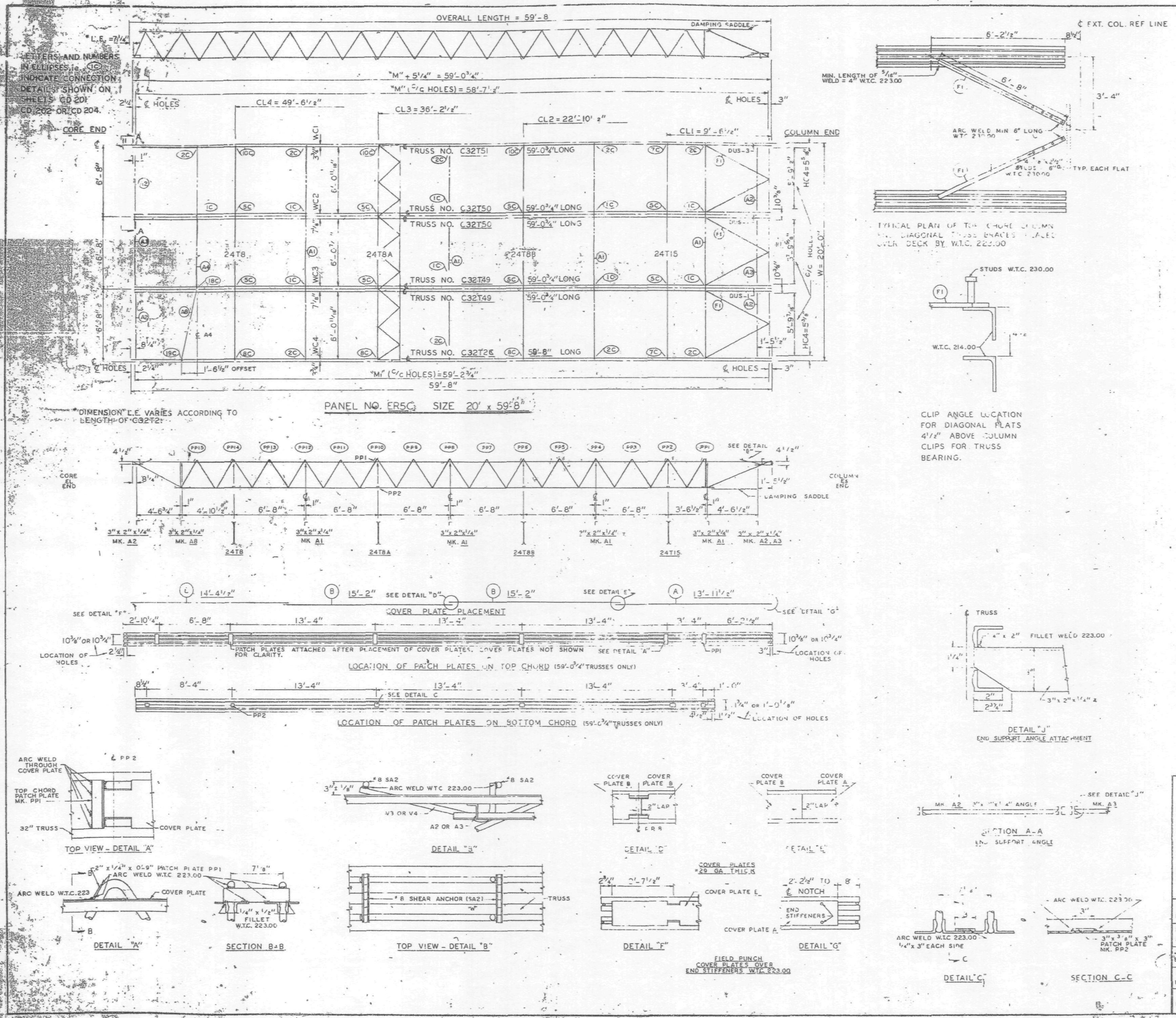
PANEL ER5B - 20' x 59'-8½"

BLDG. B FLOORS 83 (WEST)

FABRICATION BY A[illegible] STEEL COMPANY

FABRICATED AT MADISON [illegible]LINOIS		DESIGN DRAWING NO. [illegible] AB3 74	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A	DATE 7/31/69	DRAWN BY gac DATE JAN.15, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M.CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible] WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO. FP ER5B

LACLEDE STEEL CO.
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T2C	1	C32T2C - 59'-8"	ST 202C
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 - 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
	[illegible]	1	[illegible]	[illegible]
	A8	1	[illegible]	ST 40[illegible]
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
COVER PLATES	A	[illegible]	[illegible]	ST 30[illegible]
	[illegible]	[illegible]	[illegible]	ST 30[illegible]
	[illegible]	[illegible]	[illegible]	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-4	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/8" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	[illegible]	ST 400
	F2	1	[illegible]	ST 400
	F3	1	[illegible]	ST 400
	F5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P8	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x 0'-2"	ST 40[illegible]
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-1 & 11	7-22-68
7-AB3-74	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
[illegible]
THE [illegible] NEW [illegible] AUTHORITY

BLDG. A FLOORS 49 & 79 (SOUTH)

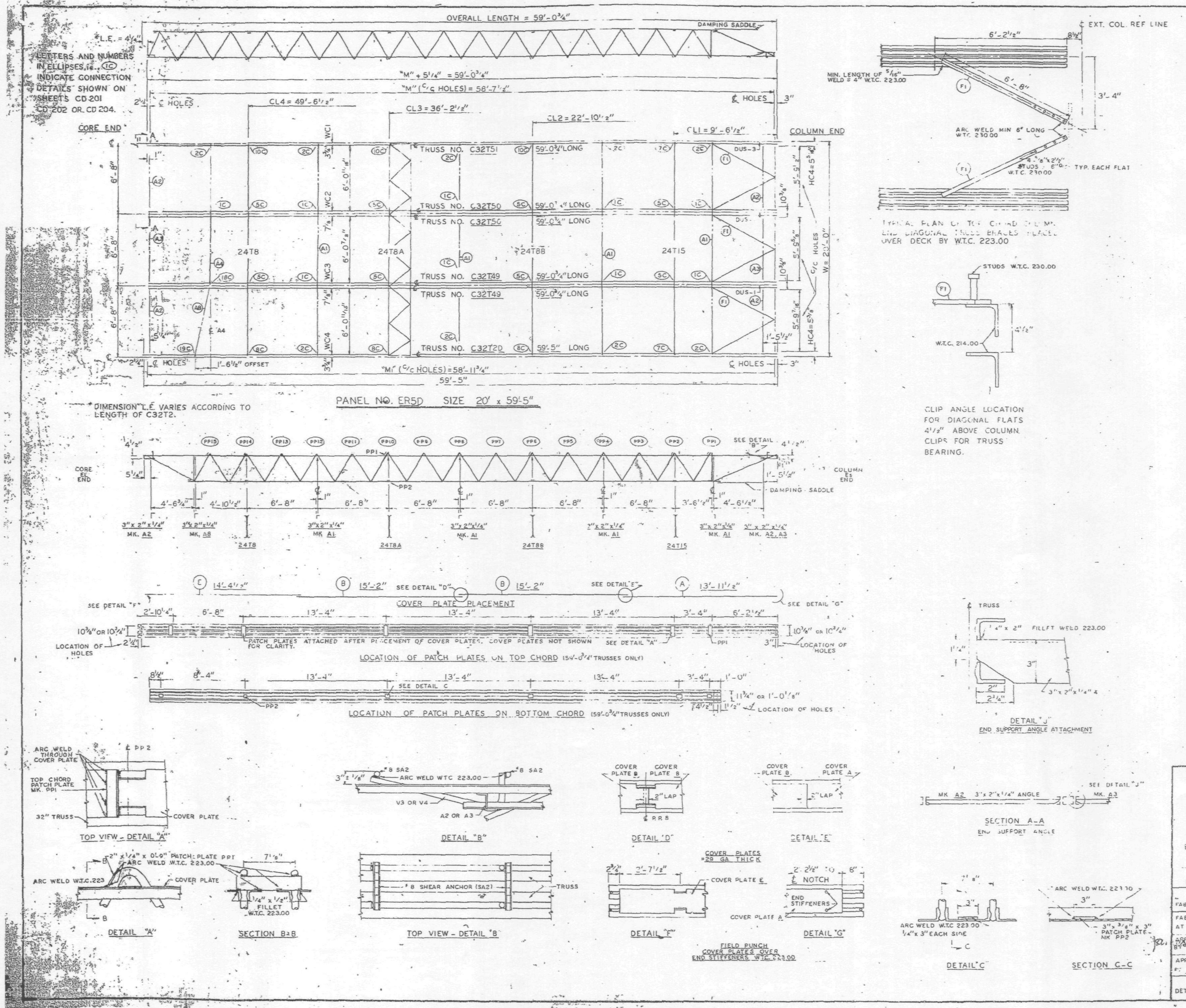
PANEL ER5C - 20' x 59'-8"

BLDG. B FLOORS 49 & 79 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7 AB3 74	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 7/31/69	DRAWN BY: gdc DATE JAN 15, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE	CHECKED BY: T.M. CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP ER5C

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T20	1	C32T20 - 59'-5"	ST 2020
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	[illegible]	C32T51 - 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 7/8"	ST 403
	A3	[illegible]	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
	[illegible]	1	[illegible]	[illegible]
	A8	1	[illegible]	ST 40[illegible]
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
COVER PLATES	A	[illegible]	[illegible] x 13'-11 1/2"	[illegible]
	B	[illegible]	6" x .0375" x 15'-2"	ST 303
	C	[illegible]	[illegible] x 14'-4 1/2"	[illegible]
ANGLE CLIPS	C1	[illegible]	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ⌀ x 1'-3"	ST 400
	CB2	5	3/16" ⌀ x 1'-3"	ST 400
	CB3	6	1 5/8" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	[illegible] x 1'-6"	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x 0'-8"	[illegible]
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 1'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DWGS.

7-AB[illegible]	7-22-68
7-AB3-74	11-25-68
7-AB4-[illegible]	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS

WORLD TRADE CENTER - N.Y.

FOR

THE PORT OF NEW YORK AUTHORITY

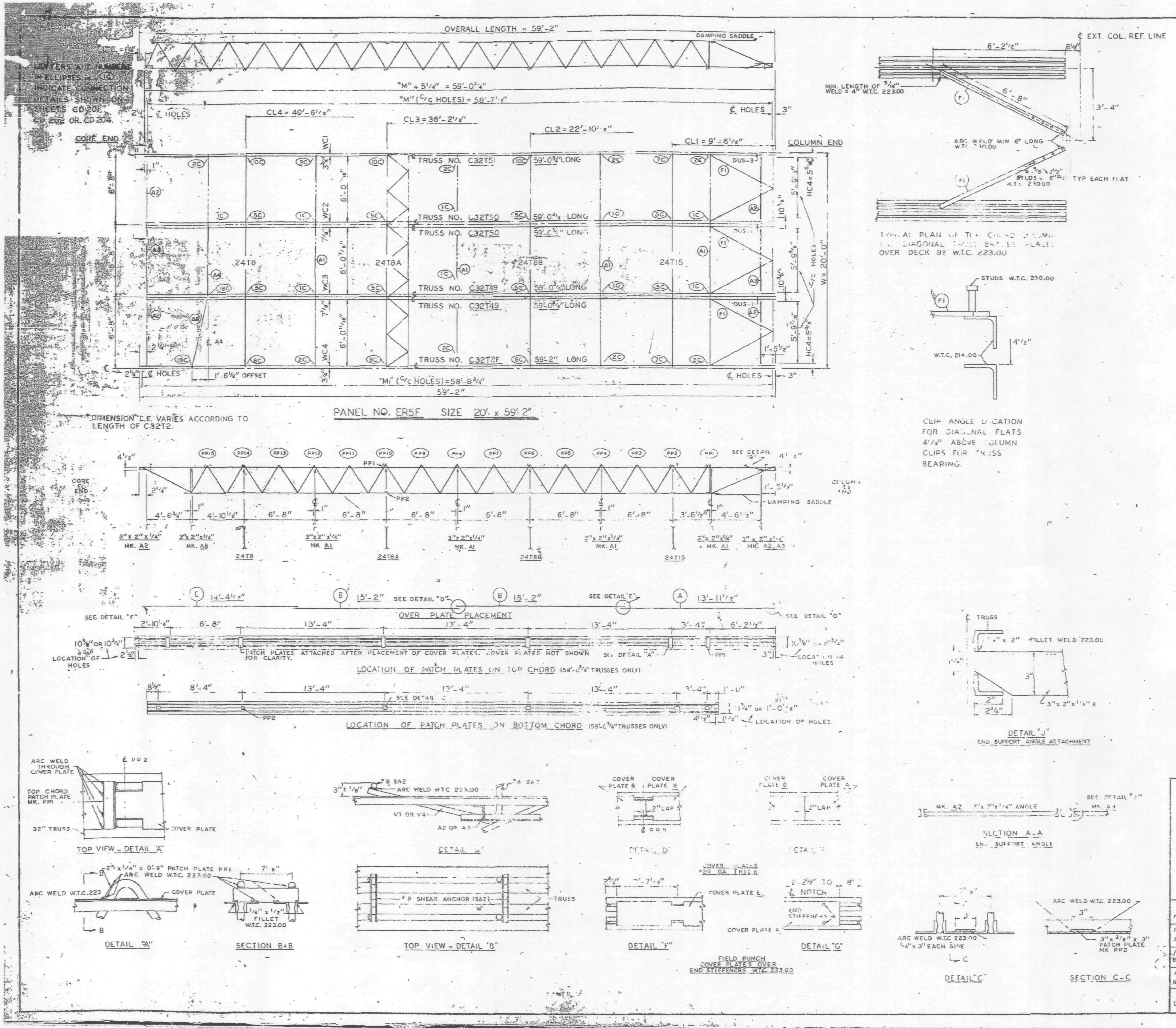
BLDG. A FLOORS 81 & 82 (NORTH)

PANEL ER5D - 20' x 59'-5"

BLDG. B FLOORS 81 & 82 (WEST)

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7 AB3 74	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA DATE 7/2[illegible]/69	DRAWN BY [illegible] DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE	CHECKED BY T.M. CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible] CARL WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP ER5D



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2F	1	C32T2F - 59'-2"	ST 202F
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A3	[illegible]	3" x 2" x ¼" x 5'-11⅝"	ST 403
	[illegible]	1	[illegible]	[illegible]
	A8	[illegible]	3" x 2" x ¼" x 6'-4¾"	ST 403
DIAGONAL FLAT	[illegible]	[illegible]	[illegible]	[illegible]
COVER PLATES	A	[illegible]	8" x .0135" x 13'-11½"	ST 303
	B	[illegible]	[illegible] x 15'-2"	[illegible]
	[illegible]	[illegible]	[illegible] x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x - 3"	ST 400
	CB2	6	1³⁄₁₆" ϕ x 1'-3"	ST 400
	CB3	6	1⅝" ϕ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3½" x ³⁄₁₆" x 6½"	ST 400
	[illegible]	1	4½" x [illegible] x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	F5	3	4½" x ¼" x 1'-6"	ST 400
	PC	1	4½" x [illegible] x 0'-[illegible]"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO	DATE	REVISION	BY

REF. DRWGS.	
7-AB2-3 & 4	7-22-68
7-AB3 74	11-25-68
7-AB4-1	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44, 45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
[illegible]
NEW YORK [illegible]

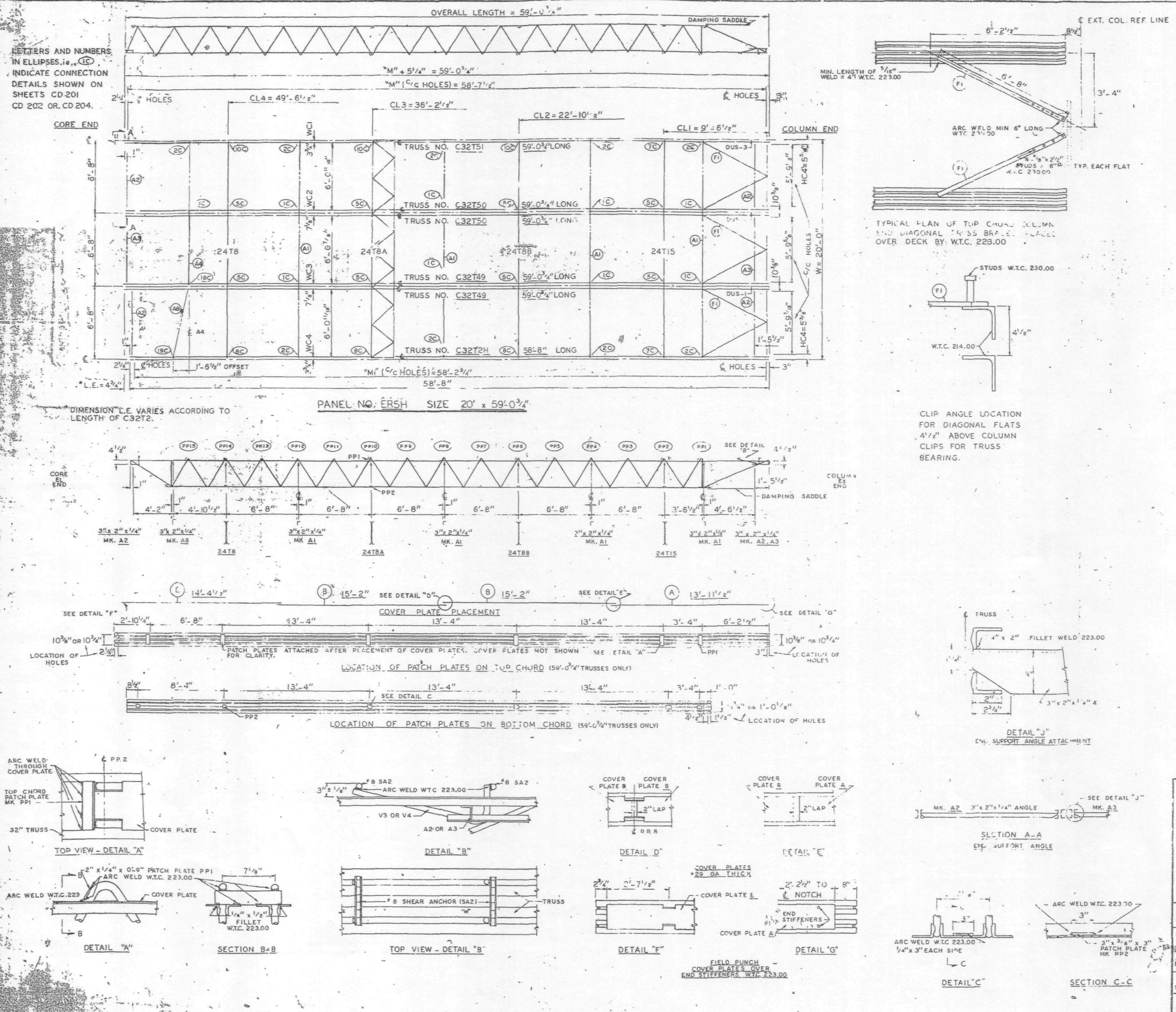
BL[illegible] 47 & 48 (SOUTH)

PANEL ER5F - 20' x 59'-2"

BLDG. B FLOORS 47 & 48 (EAST)

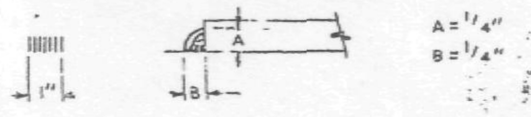
FABRICATION BY AC[illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. [illegible] AB3 74	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA	DATE 7/3/69	DRAWN BY: gdc DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T M CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER		FABRICATION CONT NO. W.T.C. 221	SHEET NO. FP ER5F



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T2H	1	C32T2H - 58'-8"	ST 202H
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 - 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	[illegible]	1	[illegible]	ST 403
	A8	[illegible]	[illegible]	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	[illegible]	9" x .0135" x 15'-2"	ST 303
	C	1	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" φ x 1'-3"	ST 400
	CB2	6	1 3/16" φ x 1'-3"	ST 400
	CB3	6	1 5/8" φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x [illegible] x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/16" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO	DATE	REVISION	BY

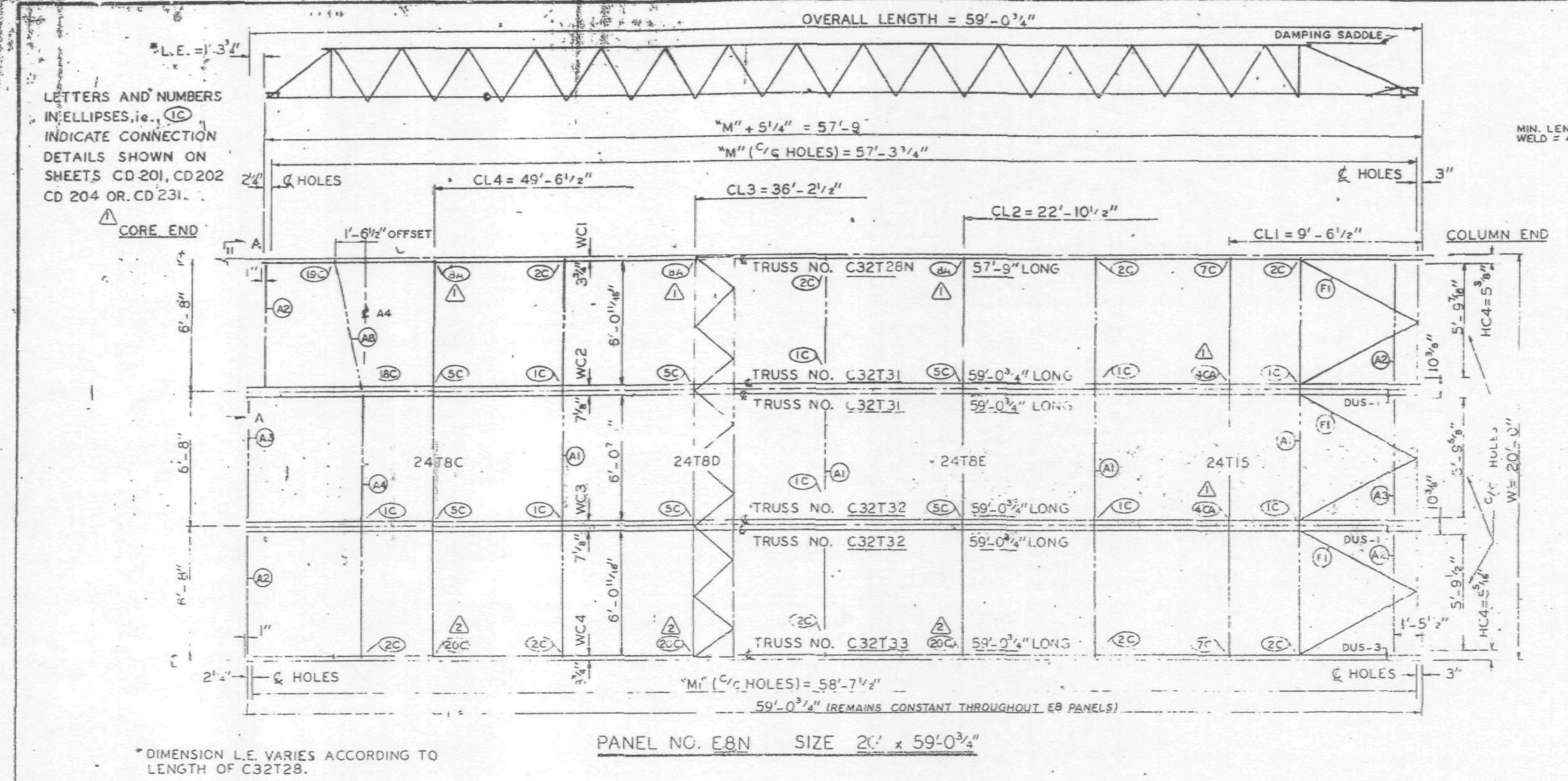
REF. DRAWGS.

7-AB2-15,?	7-22-68
7-AB3-74	11-15-68
7-AB4-[illegible]	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

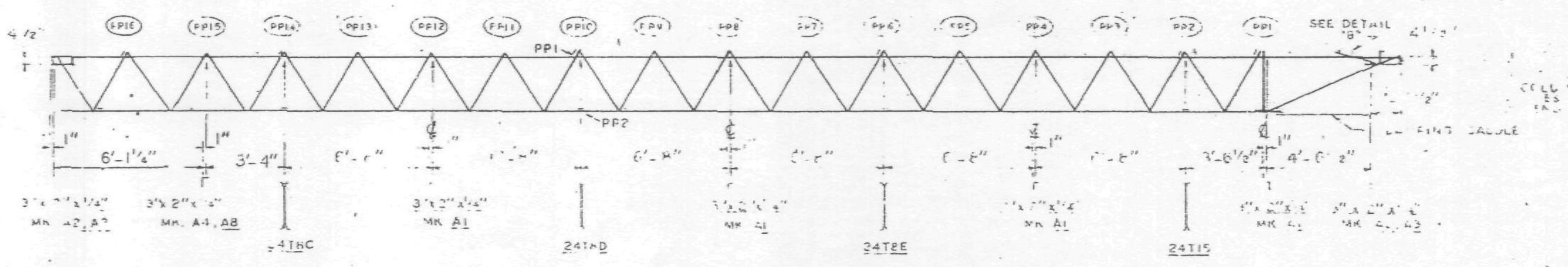
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

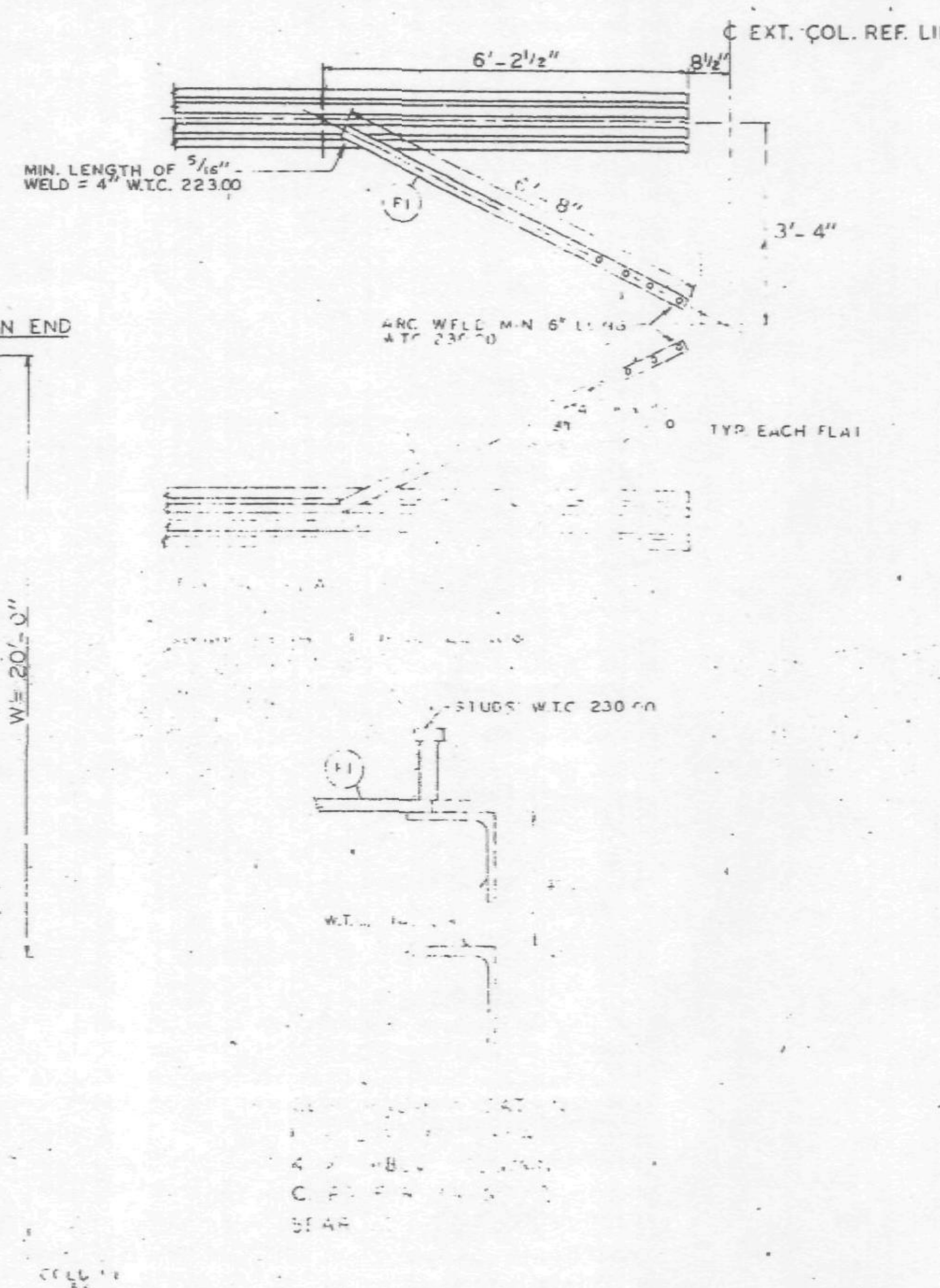
BLDG. A FLOORS 79 & 80 (NORTH)
PANEL ER5H - 20' x 59'-0 3/4"
BLDG. B FLOORS 79 & 80 (WEST)

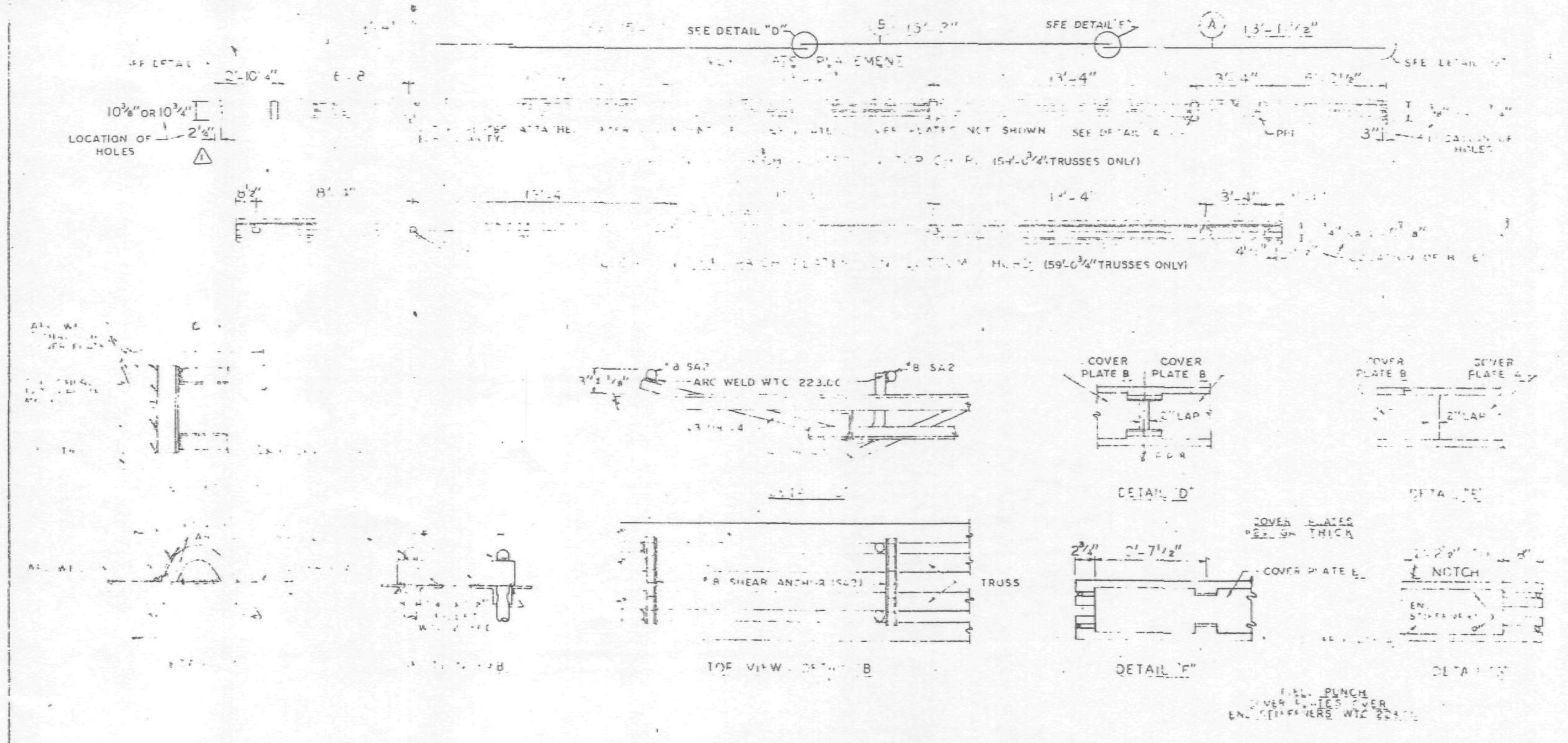
FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3 74	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 7/3/69	DRAWN BY: gdc DATE JAN 15, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR LACLEDE STEEL CO.	DATE	CHECKED BY. T.M.CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO. FP ER5H

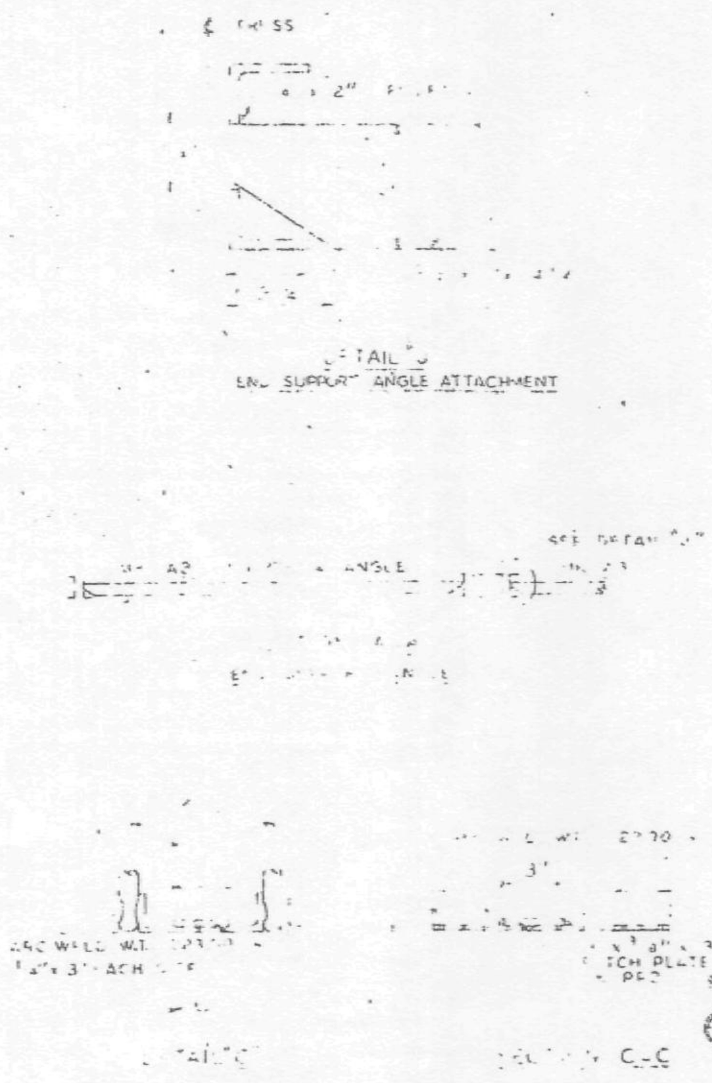


*DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T28.









REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T28N	1	C32T28N- 57'-9"	ST 228N
	T31	2	C32T31 - 59'-0 3/4"	ST 231
	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 - 59'-0 3/4"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1 [illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 [illegible]	ST 403
	A4	1	[illegible]	ST 403
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	F1	6	[illegible]	[illegible]
[illegible] PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	[illegible]	[illegible]	[illegible] x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	[illegible]	2	[illegible]	ST 298
	DUS-3	[illegible]	[illegible]	ST 298
CONNECTION BAR	[illegible]	1	[illegible]	ST 400
	CB2		[illegible]	ST 400
CONNECTION PLATES	PI5	6	6 1/2" x 1/2" x 2'-9"	ST 416
	[illegible]	5	[illegible]	ST 400
	[illegible]	[illegible]	[illegible]	[illegible] 400
	[illegible]	[illegible]	[illegible]	[illegible]
	PS	[illegible]	[illegible] -6"	ST 400
	PF		[illegible]	ST 401
[illegible]	SA2	[illegible]	[illegible]	[illegible]
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	8-4-69	AS NOTED	G.D.C.
1	4-24-69	AS NOTED	G.D.C.

10	7-22-68
60	1-6-69
	10-15-68
	7-22-68
	10-15-68
44	1-6-69
25 & 28	1-6-69
29 & 30	1-6-69
7-AB2-19	1-6-69

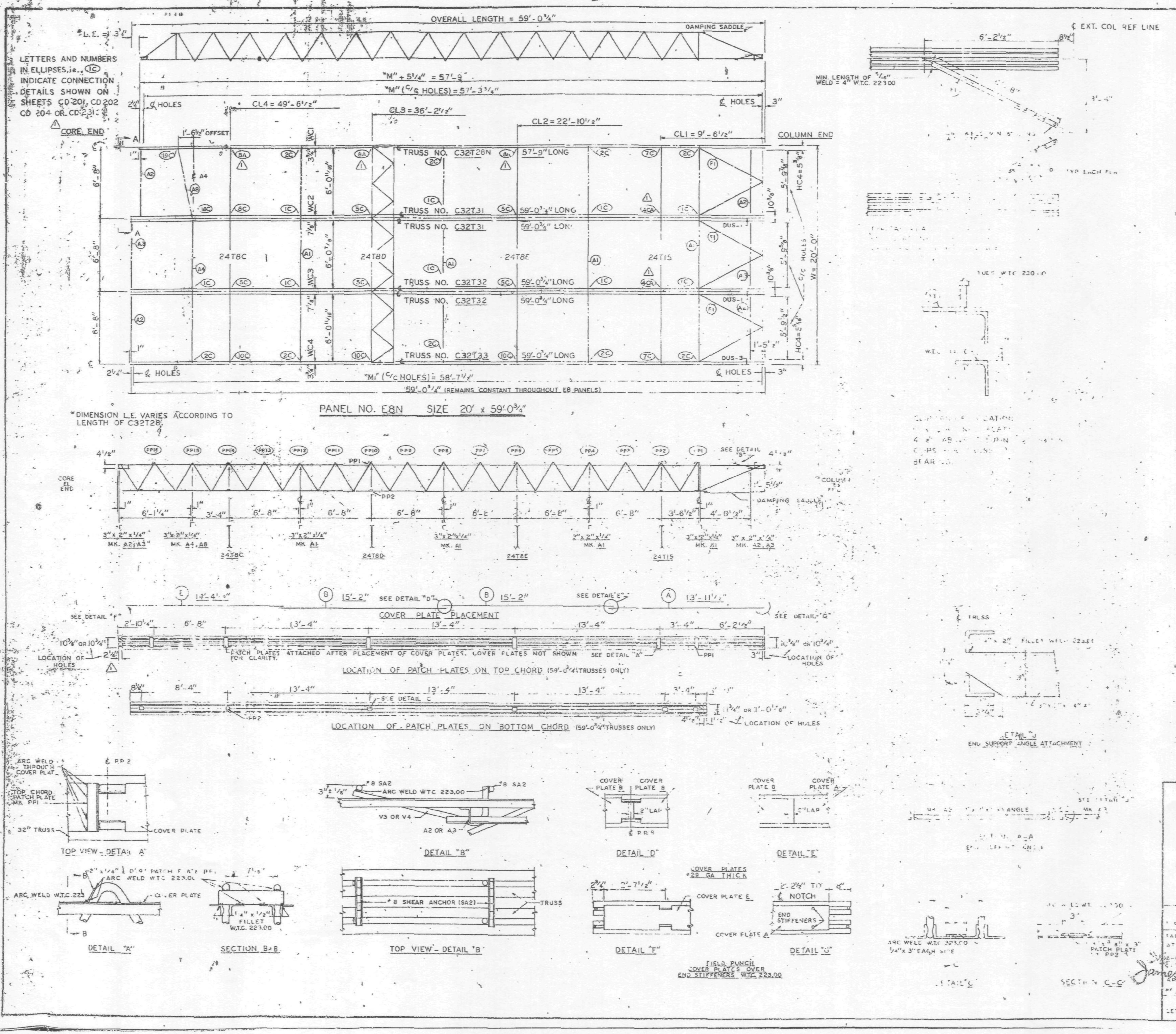
PANEL DETAILS

44 (SOUTH ONLY)

PANEL E8N 59'-0 3/4"

8/11/69

DRAWN BY
DATE APRIL 2, 1969
CHECKED BY
DATE APRIL 2, 1969
IN CHARGE OF PROD. [illegible]
FABRICATION CONT. NO.
W.T.C. 221
SHEET NO.
FP E8N



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28N	1	C32T28N - 57'-9"	ST 228N
	T31	2	C32T31 - 59'-0 3/4"	ST 231
	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 - 59'-0 3/4"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A4	1	[illegible]	ST 403
	A8	[illegible]	[illegible]	ST 403
DIAGONAL FLATS	F1	[illegible]	[illegible]	ST 402
[illegible] PLATES	A	3	9' x 0.135" x 13'-11 1/2"	ST 303
	B	6	9" x 0.135" x 15'-2"	ST 303
	E	3	9' x 0.135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS	2	[illegible]	ST 298
	DUS 3	[illegible]	[illegible]	ST 298
CONNECTION BAR	CB1	1	[illegible]	ST 400
	CB2	[illegible]	3/16" ¢ x [illegible]-3"	ST 400
	CB3	6	5/8" ¢ x [illegible]-5"	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	[illegible]	[illegible]	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	4" x 2" x 1/4" x 1'-6"	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-3"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	4-24-69	AS NOTED	G.D.C.

REF. DRAWINGS	
[illegible] 10	7-22-68
[illegible] 60	1-6-69
[illegible]	10-15-68
[illegible] 4 & 6	7-22-68
7-AB4, 42	10-15-68
SA-124	1-6-69
7-AB1-25 & 28	1-6-69
7-AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

FLOOR PANEL DETAILS

[illegible] AUTHORITY

BLDG. [illegible] 44 (SOUTH ONLY)

PANEL E8N 20' x 59'-0 3/4"

COMPANY

DESIGN DRAWING NO. [illegible] 60

DRAWN BY gdc DATE APRIL 2, 1969

CHECKED BY T.M. CHURA DATE APRIL 2, 1969

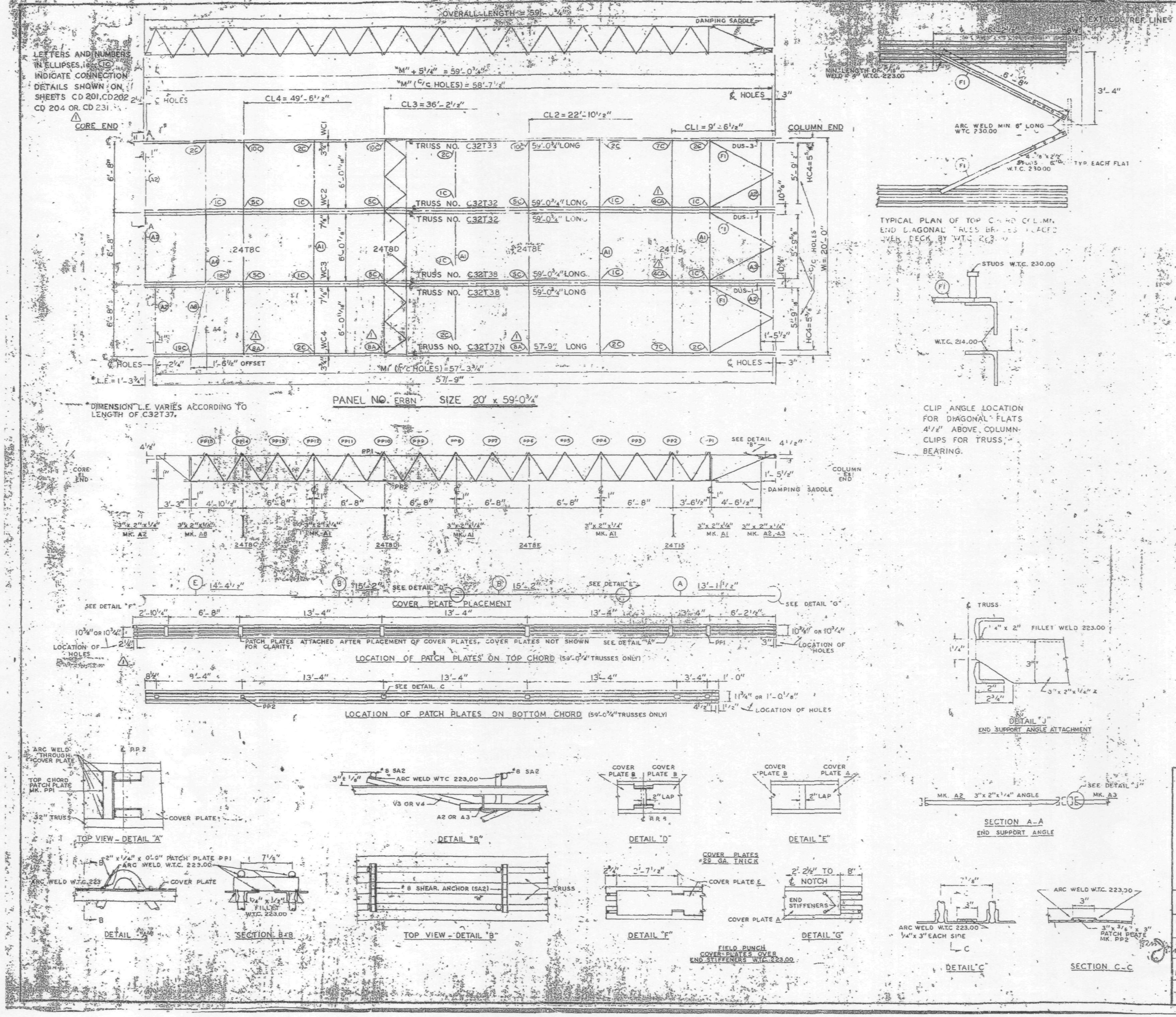
FABRICATION CONT. NO. WTC 221

PLATE

IN CHARGE OF PROD. DEV.

SHEET NO. FP E8N

6/12/69



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
	T37N	1	C32T37N - 57'-9"	ST 237N
	T38	2	C32T38 - 59'-0¾"	ST 238
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	[illegible] x 5'-11 9/16"	ST 403
	A3	2	[illegible] x 5'-11⅝"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	ST 402
COVER PLATE	A	[illegible]	[illegible] x .0135" x 13'-11½"	ST 303
	B	[illegible]	[illegible] x .0135" x 15'-2"	ST 303
	E	[illegible]	[illegible] x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2"x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½"x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½"x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	12	[illegible]	ST 400
	CB2	6	1 3/16" Φ x 1'-3"	ST 400
	CB3	6	1⅜" Φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x [illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x [illegible] x 1'-6"	ST 400
	P6	1	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	4-24-69	AS NOTED	G.D.C.

REF. DRWGS.

7-AB2-10	7-22-68
7-AB3-61	1-6-69
7-AB4-3	10-15-66
7-AB4-5 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB1-29 & 30	1-6-69
7-AB1-33 & 34	1-6-69
7-AB2-19	1-6-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE [illegible] NEW YORK AUTHORITY

BLDG. [illegible] FLOORS 44 (SOUTH ONLY)

PANEL ER8N - 20' x 59'-0¾"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7 AB3 61

PLATE

APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 6/12/69

DRAWN BY: gdc DATE APRIL 2, 1969

APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE

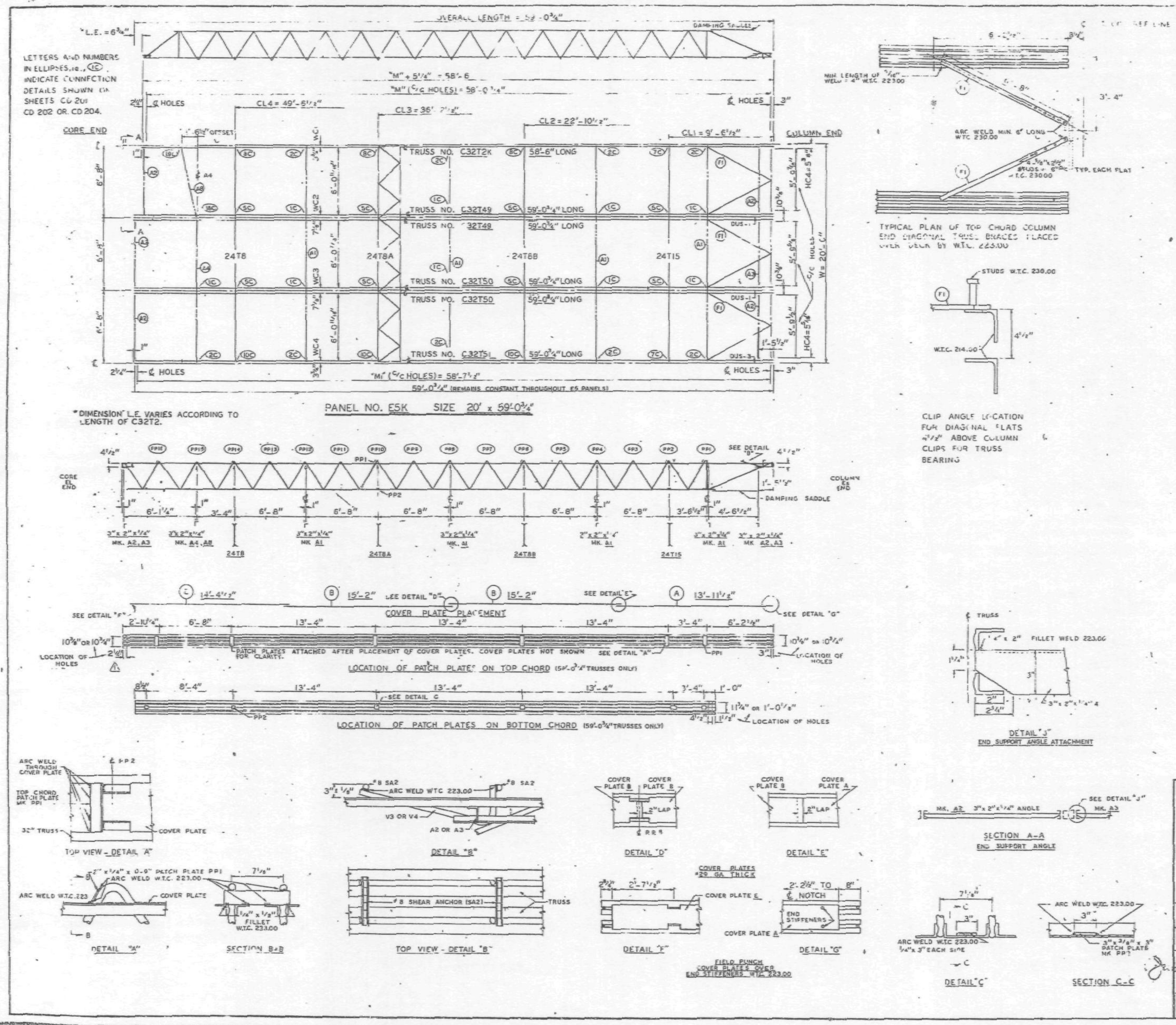
CHECKED BY: T.M.CHURA DATE APRIL 2, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY: A CARL WEBER

FABRICATION CONT. NO. W.T.C. - 221

SHEET NO. FP ER8N



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T2K	1	C32T2K - 58'-6"	ST 202K
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 218
	T8A	1	24T8A - 19'-11"	BT 218A
	T88	1	24T88 - 19'-11"	BT 2088
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-[illegible]"	ST 403
	A4	1	3" x 2" x ¼" x 1'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-8[illegible]"	ST 405
[illegible] FLATS	[illegible]	6	[illegible]	[illegible]
[illegible]VER PLATES	[illegible]	3	9" x .0135" x 13'-11½"	ST 303
	[illegible]	6	9" x .0135" x 15'-2"	ST 303
	[illegible]	[illegible]	[illegible] x 14'-4½"	ST 303
ANGLE CLIP	[illegible]	[illegible]	[illegible]	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x [illegible] x 3'-6[illegible]"	ST 298
	DUS-3	1	3½" x 3½" x [illegible] x 3'-6[illegible]"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1⅛" ϕ x 1'-3"	ST 400
	CB3	6	1⅜" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x [illegible] x [illegible]	ST 400
	P2	1	4½" x .39" x [illegible]	ST 400
	P3	1	4½" x .39" x 1'-[illegible]"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .34" x 0'-[illegible]"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]"	ST 41[illegible]
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. HOGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY
A	4-23-69	AS NOTED	

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 18	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44, 45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

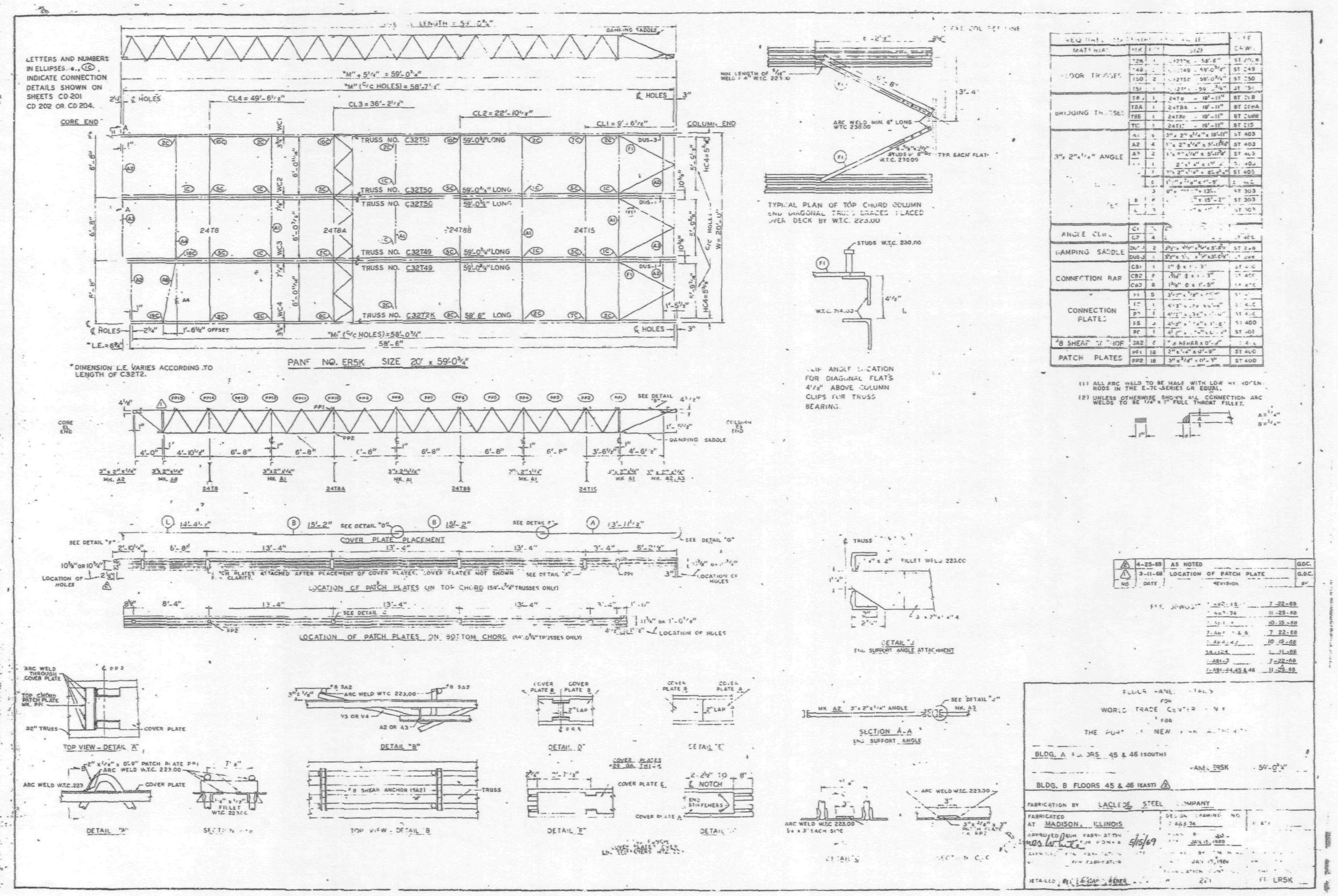
BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)

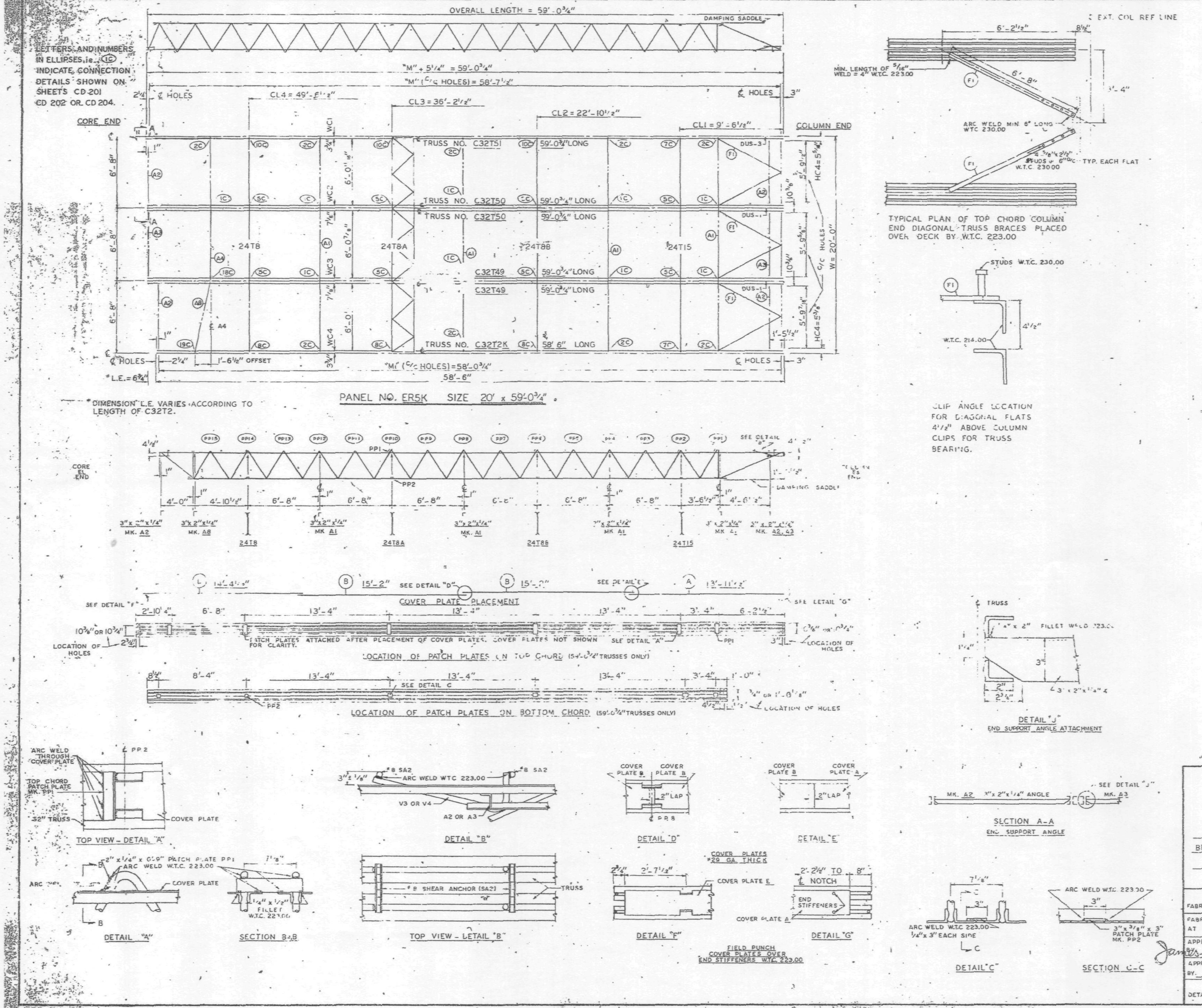
PANEL E5K - 20' x 59'-0¾"

BLDG. B FLOORS 45 (EAST & WEST) 46 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-73	PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A.	DATE 5/5/69	DRAWN BY: [illegible] DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILER LACLEDE STEEL CO.		FABRICATION CONT. NO W.T.C. 221	SHEET NO. FP E5K

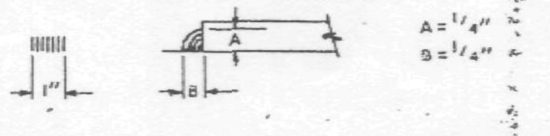

LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 CD 202 OR CD 204.
CORE END
COLUMN END
PANEL NO. ER5K SIZE 20' x 59'-0 3/4"
TRUSS NO. C32T51 59'-0 3/4" LONG
TRUSS NO. C32T50 59'-0 3/4" LONG
TRUSS NO. C32T49 59'-0 3/4" LONG
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
DETAIL "J"
TOP VIEW - DETAIL B
FLOOR BRIDGING TRUSSES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 45 & 46 (SOUTH)
BLDG. B FLOORS 45 & 46 (EAST)
PANEL ER5K 59'-0 3/4"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
5/15/69
JAN 15, 1969
221
ER5K



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T2K	1	C32T2K - 58'-6"	ST 202K
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]	ST 403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]	ST 403
	A4	1	3" x 2" x ¼" x 1[illegible]'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-[illegible]	ST 403
DIAGONAL FLATS	F1	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIP	C1	20	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1³⁄₁₆" ϕ x 1'-3"	ST 400
	CB3	6	1⅜" ϕ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3½" x ⅜" x [illegible]	ST 400
	F2	1	4½" x .39" x 0'-[illegible]	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .39" x 0'-[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.



NO	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-74	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44, 45 & 46	11-25-68

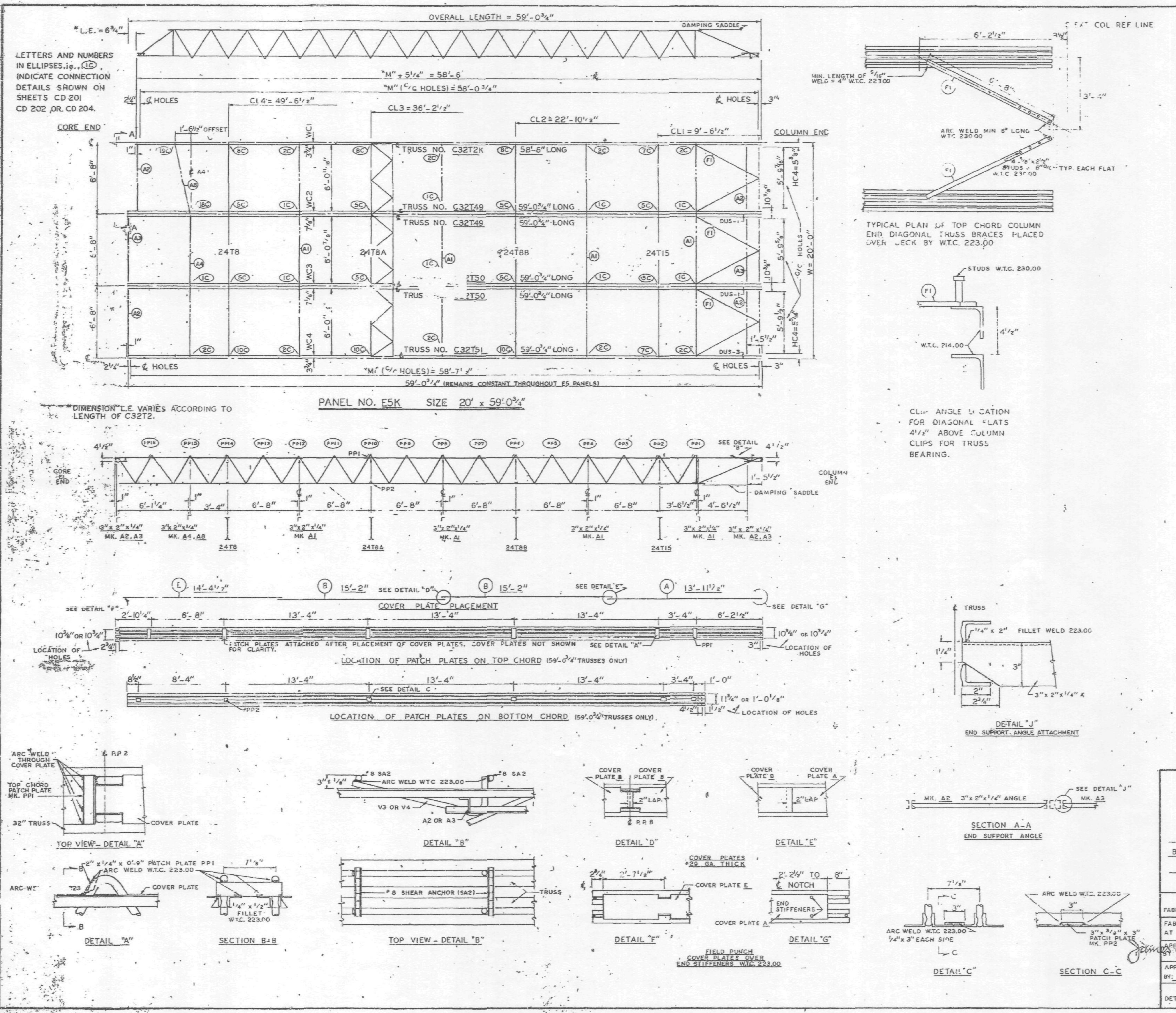
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 & 46 (SOUTH)

PANEL ER5K - 20' x 59'-0¾"

FABRICATION BY LACLEDE STEEL COMPANY

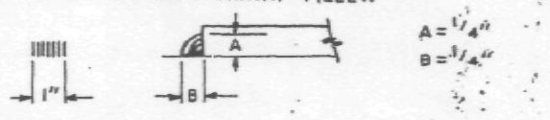
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-74	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 2/4/69	DRAWN BY: [illegible] DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY. FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT NO. W.T.C. 221	SHEET NO. FP. ER5K



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2K	1	C32T2K - 58'-6"	ST 202K
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A4	1	3" x 2" x ¼" x 13'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-8⅝"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1⅝" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .33" x 0'-8"	ST 400
	P3	1	4½" x .33" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .38" x 0'-8"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

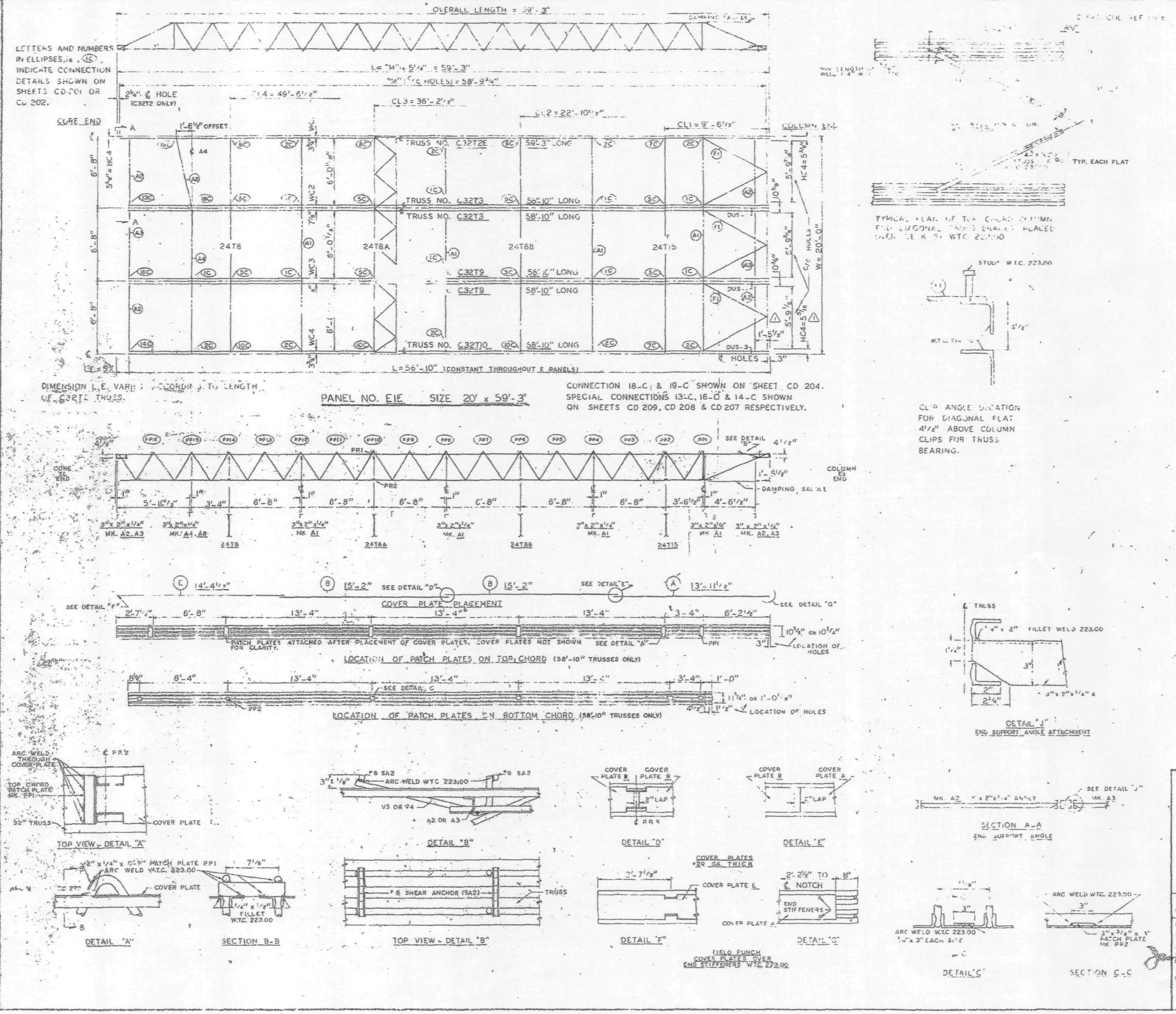
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)

PANEL E5K - 20' x 59'-0¾"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-73	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A BY: James White	DATE 2/4/69	DRAWN BY: gdc DATE JAN 15, 1969	
APPROVED FOR FABRICATION FOR FABRICATOR BY:	DATE	CHECKED BY: T.M.CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E5K



[illegible] REQ. MATERIAL [illegible]				
MATERIAL	MK	PCS	[illegible]	[illegible]
[illegible] TRUSS	TCE	1	[illegible]	[illegible]
	T3	2	[illegible]	[illegible]
	T9	2	[illegible]	[illegible]
	T10	1	C32T[illegible]	[illegible]
[illegible] TRUSS	T8	1	24T8 - 19'-11"	[illegible]
	T8A	1	24T8A - 19'-11"	[illegible]
	T8B	1	24T8B - 19'-11"	[illegible]
	T15	1	24T15 - 19'-11"	[illegible]
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4" x 5'-[illegible]	ST 403
	A3	2	3"x 2"x 1/4" x 5'-[illegible]	ST 403
	A4	1	3"x 2"x 1/4" x [illegible]-3"	ST 403
	A8	1	3"x 2"x 1/4" x [illegible]	ST 403
DIAGONAL FLAT	F1	6	[illegible]	[illegible]
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135" x 15'-2"	ST 303
	E	3	9"x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2"x 1 1/2" x 1/4"x 0'-6"	ST 400
	C2	4	2 1/2"x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2" x 3/8" x 3'-[illegible]	ST 298
	DUS-3	1	3 1/2"x 3 1/2" x 3/8" x 3'-6[illegible]	ST 298
CONNECTION BAR	CB1	1	1" ɸ x 1'-3"	ST 400
	CB2	6	[illegible] ɸ x 1'-3"	ST 400
	CB3	6	1 5/8" ɸ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3 1/2"x 3/8" x [illegible]	ST 400
	F2	1	4 1/2"x .34"x 0'-9"	ST 400
	F3	1	4 1/2" x .34" x 1'-0"	ST 400
	F5	3	4 1/2" x 1/4"x 1'-6"	ST 400
	PF	1	4 1/2" x .34" x 0'-3"	ST 401
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-3"	ST 400
PATCH PLATES	PP1	18	2"x 1/4" x 0'-9"	ST 400
	PP2	18	3"x 3/8" x 0'-3"	ST 400

(1) ALL ARC-WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	9-19-68	AS NOTED	T.M.C.

REF. DRWGS.

7-AB2-3 & 10	4-15-68
7-AB3-11	5-10-68
7-AB4-3,3,18,19	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-3	4-10-68
7-AB1-6,7 & 8	5-10-68

FLOOR PANEL DETAILS

FOR

WORLD TRADE CENTER - N.Y.C.

FOR

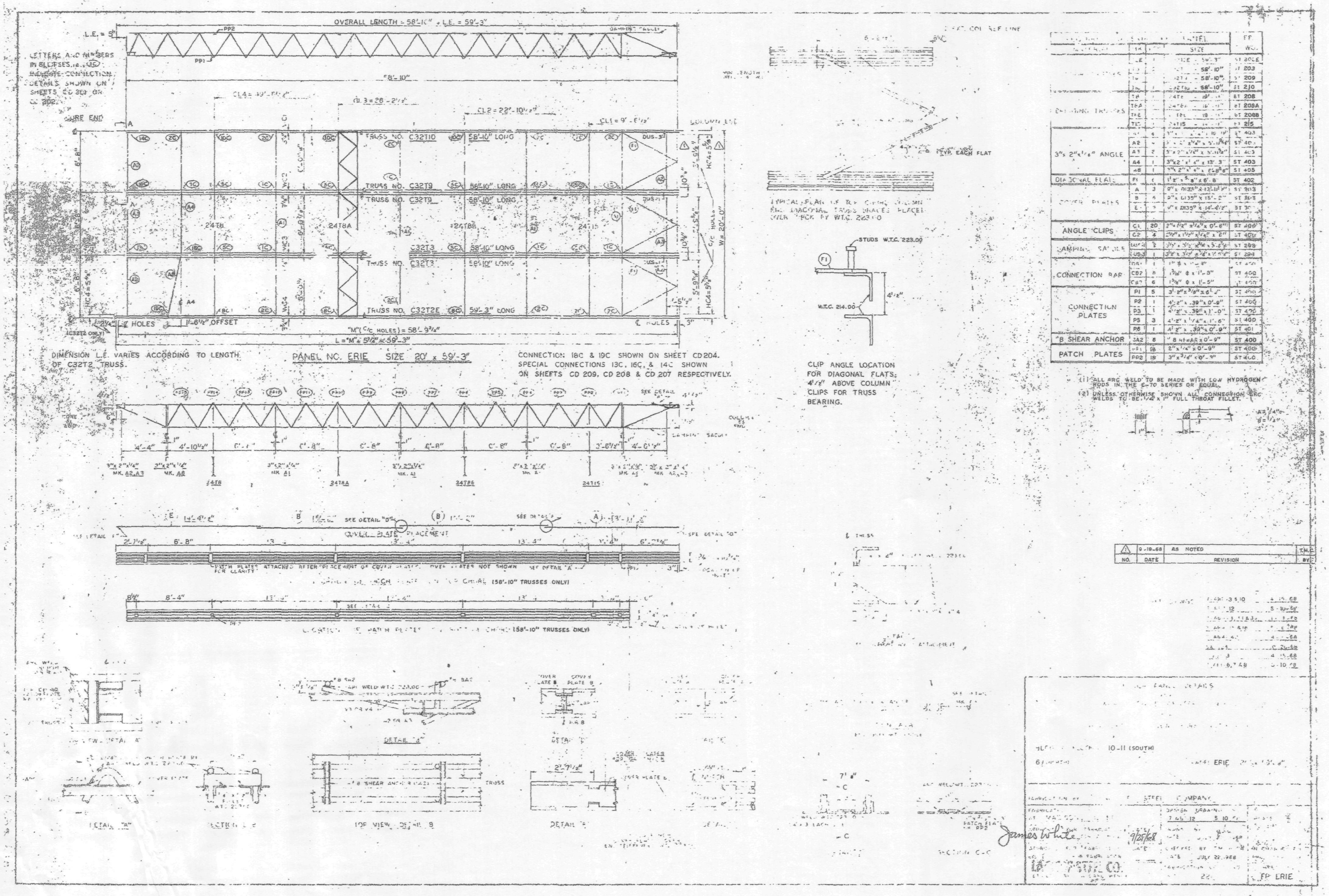
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-11 (NORTH & SOUTH)

69 (NORTH) PANEL E.E - 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-11 5-10-68	PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A	DATE 9/25/68	DRAWN BY g.d.c. DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEPT.
DETAILED BY CARL WEBER		FABRICATION CONT. NO. WTC 221	SHEET NO. FP E1E



				EF. WG.
[illegible]	MK.	NO.	SIZE	
[illegible] TRUSSES	LE	1	[illegible]E - 59'-3"	ST 20LE
	[illegible]	2	[illegible] - 58'-10"	ST 203
	T9		[illegible] - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
[illegible] TRUSSES	T8		24T8 - 19'-[illegible]	ST 208
	T8A		24T8A - 16'-[illegible]	ST 208A
	T8B		[illegible] - 19'-[illegible]	ST 208B
	T15		24T15 - [illegible]	ST 215
3"x 2"x¼" ANGLE	A1	4	[illegible]	ST 403
	A2	[illegible]	[illegible] x 5'-11⅝"	ST 40[illegible]
	A3	2	3"x 2"x¼" x 5'-11⅝"	ST 403
	A4	1	3"x 2"x¼" x 13'-3"	ST 403
	A8	1	3"x 2"x¼" x 6'-8⅝"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	[illegible]	9" x .0135" x 14'-4½"	ST 30[illegible]
ANGLE CLIPS	C1	20	2"x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-[illegible]	2	3½" x 3½" x ⅜" x [illegible]	ST 299
	DUS-3	1	3½" x 3½" x ⅜" x [illegible]	ST 299
CONNECTION BAR	CB1	1	1" Φ x [illegible]	ST 400
	CB2	8	1³⁄₁₆" Φ x 1'-8"	ST 400
	CB3	6	1⁵⁄₈" Φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	3A2	8	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-9"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	9-19-68	AS NOTED	T.M.C.

10-11 (SOUTH)

PANEL ERIE

STEEL COMPANY

James White 9/25/68

JULY 22, 1968

FP ERIE